创新性描述比对分析报告

一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片

对比分析结论:

創新性結论: 有 新羅性結论: 无新羅性 創造性結论: 无賴

该创新性描述共包含2个技术特征, 其中技术特征 1、2 (共2个)被对比专利揭示, 技术特征 0 (共0个)未被对比专利揭示。

语能能性描述 100.00% %给技术特征被对比专利揭示,且揭示这些技术特征的量少专利数为 1, 其中每個专利揭示比别分别为: CN103200286A[100.00%),CN104501944A[100.00%),CN204330128U[100.00%), CN10380085A[100.00%), 因此判断该创新性为: 无创新性。

- 把木种管一种环境素度测量装置及股站的据,所述环境来度测量装置包括光传感息,设置于所述光传感量上方向欧光道口"被对比专科中公开号方CN104501944A CN204330128U CN103200286A CN103890845A USS/01001910341 的手列输送。且与CN104501944A CN204330128U CN103200286A CN103890845A B的苏林廷相似或改革。
 由苏林拉生师治皮等亚伯斯墨斯托亚北亚口,将走过所达克尔亚山的环境无从 对抗发力与重于抗的预算计 "被对比专科中公开号方CN104501944A CN204330128U CN103200286A CN103890845A 的专利揭示,且与CN105501944A CN204330128U CN103200286A CN103890845A 的专利揭示,且与CN105501944A CN204330128U CN103200286A CN103890845A 的技术特征的复数系统

创新性定论结论	新颗性	创造性
无创新性	无	/
7CBIMTE	有	无(弱)
有创新性	有	有(中)
79 BURNET	有	有(强)

技术特征 被揭示比例 a	覆盖被揭示技术 特征的最少专利数	新颖性结论
0 ≤ α < 100%	/	有
α = 100%	> 3	有
a = 100%	≤ 3	无

相似技术 相似比例β	覆盖相似技术 特征的最少专利数	创造性结论
$0\% \le \beta \le 30\%$	/	有(强)
30% < B ≤ 40%	>1	有(强)
30% < p ≤ 40%	1	有(中)
$40\% < \beta \leq 70\%$	/	有(中)
70% < β ≤ 100%	/	无(弱)

专利CN104501944A与该创新性描述的比对报告

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序号	专利CN104501944A	技术特征相似度	序号	该创新性描述
	摘要			
1	本公开适用于光技术领域,提供了一种环境亮度的测量方法、装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口	100.0%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片	100.0%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
3	本公开提供的环境亮度测量装置及移动终端可提高环境亮度测量的准确性	76.4%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
	权利要求			
4	1.一种环境亮度的测量装置,包括光传感器、设置于所述光传感器上方的取光窗口	100.0%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
5	其特征在于,所述环境亮度测量装置还包括覆盖于所述取光窗口内侧表面上,将通过所述取光窗口的环境光线变为垂直光线的愣镜	84.2%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
6	2.根据权利要求1所述的装置,其特征在于,所述楞镜为贴合在所述取光窗口内侧表面上的薄膜棱镜	61.4%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
7	3.根据权利要求2所述的装置,其特征在于,所述楞镜为将通过所述取光窗口射入的各个方向的光折射为垂直光入射到光传感器上	81.6%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
8	4.一种环境亮度的测量方法,应用于带有显示屏的移动终端上,其特征在于,包括: 获取当前环境光的入射光线	69.1%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
9	将入射的所述环境光光线通过折射垂直射入到光传感器	74.1%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
10	5.根据权利要求4所述的方法,其特征在于,所述方法还包括:根据获取的环境光参数信息,调节显示的亮度,所述参数信息至少包括入射光的光强度值	69.0%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
11	6.根据权利要求4所述的方法,其特征在于,所述方法还包括: 判断入射光光线光强度值的大小	66.1%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
12	当判断出入射光的光强度值达到设定阈值时,调整屏幕显示亮度至匹配亮度值	51.3%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
13	7.根据权利要求4所述的方法,其特征在于,所述方法还包括: 获取所述移动终端的当前状态	59.5%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
14	根据获取到的当前状态,检测入射光的光强度值	52.1%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
15	根据入射光約光强度值,调节屏幕显示的亮度	53.4%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
16	8.根据权利要求7所述的方法,其特征在于,所述获取所述移动终端的中的光传感器当前状态,包括: 面对环境光光源状态	66.8%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
17	或 侧向环境光光源状态			
18	或 背向环境光光源状态			
	9.根据权利要求9所述的方法,其特征在于,当获取到移动终端中的光传感器面向入射光光源时,在设定调整屏幕亮度的策略中执行升高级别操作,所述升高级别操作为比所述设定调整屏幕亮度策略调整的亮度高一设定亮度值的亮度调节操作	77.8%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
	当获取到移动终锚中的光传感器背向入射光光源时,在设定调整屏幕夹度的策略中执行降低级别操作,所述降低级别操作为比所述设定调整屏幕夹度策略调整的来度低一设定夹度值的来度调节操作	70.7%	1	一种环境来度测量装置及移动终端,所述环境来度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
21	当获取到移动终锚中的光传感器侧向入射光光源时,在设定调整屏幕夹度的策略中执行增加入射光光线强度操作,所述增加入射光光线强度操作为扩大光源 入射角角度	68.8%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
22	10.一种移动终端,包括如权利要求1-3任一所述环境亮度的测量装置	72.9%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口

专利CN204330128U与该创新性描述的比对报告

	× 1301.120 11	100.200 J MILITIE		
序号	专利CN204330128U	技术特征相似度	序号	该创新性描述
	摘要			
1	本实用新型适用于光技术领域,提供了一种环境亮度的测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口	100.0%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片	100.0%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
3	本实用新型提供的环境亮度测量装置及移动终端可提高环境亮度测量的准确性	76.4%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
	权利要求			
4	1.一种环境亮度的测量装置,包括光传感器、设置于所述光传感器上方的取光窗口	100.0%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
5	其特征在于,所述环境来度测量装置还包括覆盖于所述取光窗口内侧表面上,将通过所述取光窗口的环境光线变为垂直光线的愣镜	84.2%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
6	2.根据权利要求1所述的装置,其特征在于,所述榜镇为贴合在所述取光窗口内侧表面上的薄膜棱镜	61.4%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
7	3.根据权利要求2所述的装置,其特征在于,所述榜镜为将通过所述取光窗口射入的各个方向的光折射为垂直光入射到光传感器上	81.6%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
8	4.一种环境亮度的测量装置,应用于带有显示屏的移动终端上,其特征在于,包括: 获取模块,用于获取当前环境光的入射光线	74.8%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
9	调整入射光模块,用于将入射的所述环境光光线通过折射垂直射入到光传感器	68.0%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
10	5.根据权利要求4所述的装置,其特征在于,所述装置还包括: 调节模块,用于根据贷取的环境光参数信息,调节显示的亮度,所述参数信息至少包括入射光的 光强度值	71.2%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光缐变为垂直光线的楞镜片
11	6.根据权利要求4所述的装置,其特征在于,所述装置还包括: 判新模块,用于判断入射光光线光强度值的大小	71.0%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
12	调整模块,还用于当判新出入射光的光强度值达到设定阈值时,调整屏幕显示亮度至匹配亮度值	54.4%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
13	7.根据权利要求4所述的装置,其特征在于,所述装置还包括: 获取单元,还用于获取所述移动终端的当前状态	62.8%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
14	检测模块,用于根据获取到的当前状态,检测入射光的光强度值			
15	调整模块,还用于根据入射光的光强度值,调节屏幕显示的亮度	54.7%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
16	8.根据权利要求7所述的装置,其特征在于,所述获取模块,包括:用于获取面对环境光光源状态	63.3%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
17	或用于获取侧向环境光光源状态	55.8%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
18	或用于获取肯向环境光光源状态	53.6%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
19	9.根据权利要求8所述的装置。其特征在于、当获取模块获取到移动按端中的光传感器面向入射光光源时,在设定调整屏幕疾度的策略中执行升高级别操作,所述升高级别操作为比所述设定调整屏幕疾度策略调整的亮度高一设定亮度值的亮度调节操作。	79.1%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
20	当抗取模块贫取到移动核端中的光传感器背向入射光光源时,在设定调整屏幕亮度的策略中执行降低级别操作,所述降低级别操作为比所述设定调整屏幕亮度策略调整的亮度低一设定亮度值的亮度调节操作	70.7%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光部口
21	当获取模块获取到移动终端中的光传感器侧向入射光光源时,在设定调整屏幕亮度的策略中执行增加入射光光线强度操作,所述增加入射光光线强度操作为 扩大光源入射角角度	69.1%	1	一种环境亮度测量装置及移动核端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
22	10.一种移动终端,包括如权利要求1-9任一所述环境亮度的测量装置	72.9%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口

专利CN103200286A与该创新性描述的比对报告

序号	专利CN103200286A	技术特征相似度	序号	该创新性描述
	摘要			
1	本发明适用于光技术领域,提供了一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口	100.0%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从平行光线变为非平行光线的散光镜	96.6%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
3	本发明提供的环境亮度测量装置及移动终端可提高环境亮度测量的准确性	72.5%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
	校利要求			
4	1.一种环境亮度测量装置,包括光传感器、设置于所述光传感器上方的取光窗口	100.0%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
5	其特征在于,所述环境亮度测量装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从平行光线变为非平行光线的散光镜	91.4%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
6	2.如权利要求1所述的装置,其特征在于,所述散光镜为贴合在所述取光窗口上的薄膜	62.3%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
7	3.如权利要求1或2所述的装置,其特征在于,所述散光镜放置于所述散光镜的上方或下方	58.8%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
8	4.如权利要求1或2所述的装置,其特征在于,所述散光镜为毛玻璃或白色纸张	51.5%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
9	5.一种移动终端,其特征在于,包括如权利要求1至4中任一项所述的环境亮度测量装置	63.4%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口

专利CN103890645A与该创新性描述的比对报告

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Pacific Continues Paci	序号		技术特征相似度	序号	读创新性描述
A		//A	00.007		は行命を命令日中国でおしかり、から行為を命令日中国とは少と申の、八田下から以上を持ちしておかりかっ
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1	3		/1./76	'	一行が視光技術里表直及が特別時期、同窓が現光技術里表直已指元は恋値、以直1同窓元は恋値上力的場方面は
1	4	所述显示装置可进一步包含控制器,所述控制器经配置以调整所述辅助光源以给所述显示器提供一定量的补充光	60.0%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
1 1-1	5	所述补充光量可至少部分地基于所述环境光的所述所测量定向照度及所述所测量漫射照度	69.9%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
MARK AUSECONSECUTION SERVICES 1					
Design	6	1.一种显示装置,其包括: 显示器	61.8%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日	7	辅助光源,其经配置以给所述显示器提供补充光	61.2%	2	所述装置还包括覆盖所述取光窗口、将通过所述取光窗口的环境光从入射光线变为垂直光线的楞镜片
March Professional Annie (1988) 1	8	传感器系统,其经配置以测量: 来自宽范围的方向的环境光的漫射照度	65.3%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
	9	以及来自相对窄范围的方向的所述环境光的定向照度	63.9%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
1	10		70.1%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
2 大き地域では、大きいくのでは、このでは、大きいくのでは、このでは、このでは、このでは、このでは、このでは、このでは、このでは、こ					
日本の情報が特別である。大学の大学の表現である。					

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日本の関係が関係があった。大学の他の関係がある。大学の他の関係が表現を表現を表現を表現していまった。	16	7.根据权利要求1所述的显示装置,其中所述控制器经配置以至少部分地基于所述所测量定向照度与所述所测量漫射照度的比率而调整所述辅助光源	60.6%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
日本語版的理事業の研究性が表現。長中学院と対しては、中では、日本語の関係を関係を関係を関係を関係を関係を関係を関係していまった。	17	8.根据权利要求1所述的显示装置,其中所述控制器经配置以至少部分地基于所述所测量定向照度与所述所测量漫射照度的和而调整所述辅助光源	63.6%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
1 日本の大学を対応的ない。	18	9.根据权利要求1所述约显示装置,其中所述控制器经配置以基于到定向环境光源的方向而调整所述辅助光源	60.6%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
1	19	10.根据权利要求9所述的显示装置,其中到所述定向环境光源的所述方向是至少部分地基于由所述传感器系统测量的所述定向照度及所述漫射照度而确定的	69.0%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
2- 日本の政策を対すいたの行動を対象を表し、大きの情報を関係していまった。	20		56.2%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
1	21	12.根据权利要求1所述的显示装置,其进一步包括: 处理器,其经配置以与所述显示器通信,所述处理器经配置以处理图像数据	56.8%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
1					
1. 「日本製の物理がいたが発生の発生の表現を必要性を受ける。					
10 10 10 10 10 10 10 10			57.3%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
17					
4 - 十巻日本書書、真性語と思音					
69.4% 1					
00 用土地の地域を大力を表現していまった。 大きが大きな関係というできまった。 1 一种は実施を開発というのできまった。 ・特別は、大きが大きを表していまった。 ・特別は、大きが大きを表していまった。 ・特別は、大きが大きを表していまった。 ・特別は、大きが大きを表していまった。 ・特別は、大きが大きを表していまった。 ・特別は、大きが大きを表していまった。 ・大きが大きを表します。 ・大きが大きを表していまった。 ・大きが大きを表します。 ・大きが大きを表していまった。 ・大きが大きを表します。 ・大きが大きを表しまままままままままままままままままままままままままままままままままままま					
地域大変・環境					
接触表現態	30		64.5%	'	一件外境免疫测量或直及移动疫痛,而处外境免疫测量表直巴拉元官总器、双直于而处元官总器上力的以元国口
接触表現態	31	以及 控制器,其与所述用于感测环境光的装置通信,所述控制器经配置以至少部分地基于所述环境光的所述所测量定向照度及所述所测量漫射照度而调整所	66.9%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
3.0 無限が保護・外外が担当の表現。、中外が経過を対すに表示を目的合うする。発育を経験を使う、図子が大力が開催したができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができましたができまりまたができまります。 20.0% ***********************************					
2 日本産業の検索・手術が必要に表現。其中所は極端大変の含素が、				2	
50 22 機能が利便水中的大砂型洗碗器、其中外近型子他無限性 1					
3 2. 利度教育的概念之间的经验是不完全,其中所这些一个特色器自含的经验工程的操作,有一定为此情感的整定置以测量在环境之间的现在。					
2 2 地域教育研究之の社会型表面。其中的企理分析会是一个一有多数自含多个定例光传感器、每一定的光传感器就是工作的的立体内内的立体内内容的的经生物。					
3 2 金融版公利業を担か行る31報源 3 2 金融版公利業を対象が表現が表現が表現を設置しか子。31報意と 3 2 金機版公利業を16所述の登录を設置、其中外述と別報告を記じ返り修り地差子所近所指量を可能度5所近所需量者制度20比率前限整所は編め光度 4 2 2 機能な利業を16所述の登录を選。其中外述と別報告を記し返り修り地差子所近の利機上連門の同意性が基础対理 4 2 2 機能な利業を16所述の登录を選。其中外述と別報告を記しますの最もから放置、必要子が近年内機上地向の同意性が基础対理 4 2 2 機能な利業を16所述の登录を選。其中外が定的を設定しますが成まりの高向機能が基地対理 4 2 2 機能な利業を2 3 体を対象を3 3 は、所述が未来変調を登置しまから地表。2 2 3 が表すが表すの意理を2 3 3 は、1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4					
3.2 無機取利限策率的所於的是限度。其中所述的超越配置以至9分的地基于所於的新麗室の國生的域所與重視整理就更加上有的整形过程的光度	37		68.4%	2	所还装直走包括覆盖所还或尤儲口、将通过所还或尤儲口的外現尤从人引尤须受万里直尤成的研視片
99 2の機能が特策水市的活発量表置、其中所式性控制性差型以多少分差子が必折所維度の調度から終析的差別達力物の大抵の目標を対していまった。 62.1% 1 一种环境来度重要整置及移动物器、从好环境来度重要整置的经济特别。设置于所述光明会显上为物改大型口 40 2の機能が利度水市的活効を発生業、其中所が建設を設置とは手が支出する方式が非常を認めるとしていまった。 63.1% 1 一件环境来度重要整置的经济的结果、所述是示度量数型包括大师会组、设置于所述光明会显上方物改大型口 41 20 一般控制提示是影的是未到的限度的方式。 所述是示度直有存置的法有效。	38		62 7%	1	一种环境享度测量装置及除动物键 新述环境享度测量装置包括光传感器 设置于新述光传感器上方的取光窗口
40 22 用機能が根端末が研究が設定では完まします。其中所述的自動性と思いますが気の対象を対していまった。以表す所述が明確というない。 60.1% 1 一种环境来度重要是面影的地域。所述可視表的自動性が表面に対象である。以表す所述が明確というない。 20 上 中环境来度重要を直接を記せ、所述可視表面を重要を正さっていまった。 20 上 中环境来度重要を正さいます。 60.3% 1 一种环境来度重要を要定を表面的に表面。可能が本域を対象を重要を重要を表面的に表面。可能が大きの最上方向を大力のである。 20 上 中环境来度重要を表面的に表面。可能が大きの最上方向を大力のである。 20 上 中环境来度重要を要定を持たりためる。 20 上 中环境来度重要を要求を対象が、存める間は実力を対象が、存める間は実力を対象が、存める間は実力を対象が、方向を重要を要求を表面を表面を表面を表面を表面を表面を表面を表面を表面を表面を表面を表面を表面を					
41 2. 無機形式模型元代数型元減器。其中化型化物型配置,其中化型化物型配置的基外代码器处型2000元代码器。设置于所述光中级量上方的改大四口 42 2. 中特別規定或者的企業分析的企業。其外代表的企業 60.3% 1 一种环境来度重要是宽厚处的批准。然时将来度更需要要目的优先符器。设置于所述光中级是上方的改大回口 42 2. 中特別規定所有数型元素的回流性的影响的方法。所述显示核量與計算的方面的特別方法。所述显示器模與計步无效物域、形型不规定或量量要面包括光中级器。设置于所述光中级温度 60.3% 1 一种环境来度重要要更多处的地域、形型环境来度测量装置包括光中级器。设置于所述光中级器上方的改大回口 43 也由所述定则小师母姐姐里看到里来应随的对于应随的方向的外域对于成功的方面的特别或分别的重要的重要的工作。或是于所述光中级型上方的改为式回用 60.4% 1 一种环境来度重要更多处的地域、所述环境来度测量装置包括光中级。 20.5% 1 一种环境来度重要要更多处的地域、所述环境来度测量装置包括光中级器。设置于所述光中级显力的设计处理口 45 3. 根据数行模型之的分别之基于不成的企业之间之上的处于不成的规则之所之处于所有规则是相关定义的处于不成的规则是是可能之的处理于所述所则需要处理的规则的。 50.9% 1 一种环境来度重要要更多处的地域、所述环境来度测量装置包括光中级器、设置于所述无明度的发出 47 2. 根据的规模型之的形式的处于规定的规定的规则是是于对应外域的上面。可能力所有能型之间或支所能处理的更多可能处理的规则是是于对应外域的上面。设置于所述无明度的发现。 50.9% 1 一种环境来度重要更多处的地域、所述环境来度更多更更多的处理不可能的的现象。设置于所述无明显的处理。设置于所述无明显的处理。 46 3.4。根据的规模型或的规模型的工程的规模型的工程的规度型的工程的工程的工程的工程的工程的工程的工程的工程的工程的工程的工程的工程的工程的	40			1	
卷名,然无方法信任、经银所发生的大便是相对集中的发现他为介绍的环境中的接触的接触。	41		56.4%	1	
機器、所名方法信託 後級所兆達爾於不傳題關業主席互間的分向的時項集份與種類質 3 经由标准设施的使用機器 医型性性性 医型性 医型性 医型性 医型性 医型性 医型性 医型性 医型性 医	42		69.3%	1	一种环境完度测量装置及移动终端,所述环境完度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
44 3及 発信機や投資室が始合う所は、至少部分地差子所抵抗性素が近端所置空向限度及外域が折磨量を削減で向限である。 3 2数 整板性検索を削減を対象を対象を対象を対象を対象を対象を対象を対象を対象を対象を対象を対象を対象を					
5 3.0 根据权利要求20所述的方法。其中强整所线输动光谱包含至少增分能基于所述所测量空间度写的还所拥加重新制度型的工作的原理。					
46 31.根据取利度水20所达的方法。其中调整所过端助光声音含至少密分地至于所述所测量空间度与所述所则是有时或密的形式输动光源 58.8% 1 一种环境充度测量装置包括处物函数。				1	
47 24 機能於利便求公的法处的方法。其中確整所送職於用是基于對途向环境处期的方向 56.5% 1 一种环境克度测量装置包括代传感器,设置于所述代格器上方的取光部口 3.4 根据化利便求之的形式的方法。其中证据外线和处元度基于有备者的心宜 43 电放射转换式 14 中环境克度测量装置包括光传感器。设置于所述代格器上方的取光部口 3.4 根据化利度求用推断处理 14 计算机 1				1	
48 33.根据的利便求20所达的方法。其中调整所还辅助光期是基于报看者的价置 49 34.一种上原的模型内产品程序的是未被置的股票的的运动的手机计算机存储域体,所述指令在由计算系统执行的效应所述计算系统执行的效应所述,算系统执行的放应不合 1 一种环境来度测量装置及移动性域。 1 种环境来度测量装置及移动性域。 1 种环境来度测量装置及移动性域。 1 种环境来度测量装置及移动性域。 1 种环境来度测量装置及移动性域。 1 种环境来度测量装置及移动性域。 1 种环境来度测量装置的形式中毒。 1 全型的分组至于所述环境状态的还是内国度的外流性测量的。 1 生态的处理于所述可以连续性的现象。 1 生态的处理于所述可以连续性的现象。 1 生态的处理于所述可以连续性的发生及影响的影响,但是是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是是可以正常是可以正常					
49 34.一种上层可有用于无限信息类型的显示技能的图形的完全的主整对形式,到底有磁体,所述和全在由计算系统执行包括以下各 25.1.一种环境来度测量装置包括地位规则 25.1. 一种环境来度测量装置包括地位规则 25.2. 一种环境来度测量装置包括地位规则 25.3.0. 1 一种环境来度测量装置包括地位规则 26.3.0. 2 所述的现在地位规则 26.3.0. 2 所述的现在是可能处理的规则 26.3.0. 2 所述的现在是可能是更多处理的规则 26.3.0. 2 所述的现在是更多处理的规则 26.3.0. 2 所述的现在是更多处理的规则 26.3.0. 2 所述的现在是更多处理的规则 26.3.0. 2 所述的现在是更多处理的规则 26.3.0. 2 所述的规则 26.3.0. 2 所述的现在是更多处理的规则 26.3.0. 2 所述的现在是更是更多处理的规则 26.3.0. 2 所述的现在是更多处理的规则 26.3.0. 2 所述的现在是更是更多处理的规则 26.3.0. 2 所述的现在是更多处理的规则 26.3.0. 2 所述的是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是			58.5%	1	一一种外项先区海重装直及移动终端,所述环境死度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
博物條作、从計畫和可達解并被來來兩個非可能的方向時代表生的近空間觀的測量 5.0 从計劃的影響并被來來兩個非可能的方向時代表生的近空間觀的測量 5.0 从計劃的影響持續來來兩個非可能的方向時代表生的影響之間的光帝國表。设置于所述光帝國主方的歌光窗口 5.1 至少鄉分除差于所述特別的方向時代表生的運動的方向時代表生的運動的方面的影響之間的表生。设置于所述光帝國主方的歌光窗口 5.1 至少鄉分除差于所述特別的影響之間,所述其他是一直的影響之間,所述其他是一直的影響之間,但是一方的歌光窗口 5.2 以及 符号之時的差于所述的影響的影響的影響的影響的影響的影響的差更加速的影響的差更加速的影響。 6.2 以及 符号之時的差于所述的影響的差更加速度,不是被更多的影響的影響的差更加速度。如果不是一方的歌光窗口 5.3 《根据文列原本34所法的辛苣的有形计算机存储解析,其中模型对地的影響之間上不同方向的多个定问题度 5.5 公务。根据文列原本34所法的辛苣的有形计算机存储解析,其中模型对地的影響之間上不同方向的多个定问题度 5.5 公务。根据文列原来为4所法的李苣的有形计算机存储解析,其中模型对地的影响的新自合存程度全翻度至多问题方式是全翻度到比中相关的意效表 5.7 公务。根据文列原来为4所的影响的特色与音句,其中模型影响的影响的特色合存程度全翻度至多问题方式是全翻度到比中相关的意效表 5.7 公务,根据文列康来为4所的影响的特色与音句,其中模型的影响的特色合存程度全翻度更多问题方式是全翻度到比中相关的意效。 5.7 公务,根据文列康来为4所的影响的影响,我们未是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是是			,		EA-YEA-de-de-CET+ E0-Library - C/-2-YEA-de-de-CET + HEA-LE-C-C-M-HE-CO - M-HE-C-C-M-HE-C-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C-M-HE-C
50 以計算能可減低的機能分高宽配能的方的的环境状的運動開放的消量	49		69.5%	1	一种外現先度測量装直及移动段端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
51 至少部分格差于所述环境光的所述变向侧度的所述测量及所述美制限政的所述测量图数定路外限明格件 64.3% 1 中特項表定测量装置及形式地域,所述对填充定测量装置包括光行思想,设置于所述代格器上方约取开超口 U及 平区少部分格差于所述联外期间条件的则调整发生的经验是从上的线索力重更优势的特殊。 64.3% 2 所述整理工程等处理记,将进近所发生为限口的环境光从人的线索力重更优势的特殊片 53 35.根据权何整定34所述的中暂时有形计算机存储螺体,其中模区场场地域的所述显示器自由分才可同点的多个定向限度 55.9% 1 中特项表定测量装置及移动论线,所述可未免定则是是现代传感法。设置于所述光行感息上方约取开超口 56 30.根据权何要求34所述的中暂时有形计算机存储螺体,其中模定场外围等所针自合存在逐步制度与空间能对所还通射程度的设计中机关的直线 51.5% 1 中特项表定测量装置及移动论线,所述可填充度测量装置包括光行感息上分的取开超口 55 37.根据权利要求34所述的中暂时有形计算机存储螺体,其中模定物外围锁条件包含存在使速制度的可以用域。	50		53.0%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
22 以及 将至少部分检差于所述整外限损害件的原则调整支持的经验置以必所还是可避损失的光度 33 35、根据权利要求与所述整外原则条件的原则调整支持的经验置以必所还是可避损失的形法者的服务。					
33 3. 無機取利限定当场化资的管辖与有分计模员内接继承,其中接收用电光的标记通程照面包含单位计划不同方向的多个定则服置 55.9% 1 一种环模果度重要是置及移动物理。其中被定理是要要是有多数的理解,其中被定理是要要是有多数的理解,其中被定理是更多数的理解。这是于所述光明也是上方构造光明也 51.0% 1 一种环模果度重要是更多地的理解,不可由,使用于使用的表面目的形式面目 52.0% 1 一种环模果度重要是多种的理解,其中被定理的删除中自含有定理者则能成了发现的理解对所还是参加限度的比较相似的发现面 51.0% 1 一种环模果度重要是多种的理解,所述于根据类型重要是多种的理解,所述于根据类型重要要要的影响性的含有定理者则能对于使用类型重要的影响性的表面上方向电光面口	52		64.3%	2	
54 36.根据欧利便求34所述的非暂约有形计算机存储媒体,其中确定额外照明条件包含容电度通销限度与范内限度对所还通射限度的比中相关的查找表 51.6% 1 一种环境免疫测量装置及形动线端、所述环境免疫测量装置包括光传感器、设置于所述光传感器上方的物产组口 55 37.根据欧利便求34所述的非暂约有形计算机存储媒体,其中确定额外照明条件包含存变速到限度与定向限度对所还通射能度的比中相关的公式 51.3% 1 一种环境免疫测量装置及形动线端、所述环境疾患测量装置包括光传感器、设置于所述光传感器上方的物产组口	53		55.9%	1	
55 37.根据权利要求34所过物中暂时有形计算机存储媒体,其中确定能外期明条件包含与电度差别规定与定向规度对所还通常规度的比中相关的公式 51.3% 1 一种环境充度测量装置及移动物域、所述环境观度测量装置包括光传感器、设置于所述光传感器上方的电光器口	54	36.根据权利要求34所述的非暂时有形计算机存储媒体,其中确定额外照明条件包含存取使漫射照度与定向照度对所述漫射照度的比率相关的查找表	51.6%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
56 38.根据权利要求34所达的非暂时有形计算机存储媒体,其中确定额外限明条件包含存取至少部分地基于所述所测量更有限度的和数分。 式	55		51.3%	1	
K .	56	38.根据权利要求34所述的非暂时有形计算机存储媒体,其中确定额外照明条件包含存取至少部分地基于所述所测量定向照度与所述所测量漫射照度的和的公	58.5%	1	一种环境亮度测量装置及移动终端,所述环境亮度测量装置包括光传感器、设置于所述光传感器上方的取光窗口
		式			

专利US20120019152A1与该创新性描述的比对报告

Process		专利US201200	019152A1与该创新性	描述的比	对报告
The second control of the control of	序号	专利US20120019152A1	技术特征相似度	序号	读创新性描述
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The Authority Control comprising is analysis control of the property of an all and analysis of an all analysis of analysis of an all analysis of an all analysis of analysis of analysis of an all analysis of an all analysis of analysis of analysis of analysis of ana	16	The electronic device of claim 1, comprising one or more ambient light sensors configured to detect an ambient light level, wherein the display controller is configured to adjust the brightness based on the detected ambient light level			
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64 The electronic device of claim 20, wherein the display controller is configured to adjust the brightness using a brightness adjustment profile that identifies	63				
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专利US9332616B1与该创新性描述的比对报告

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序号	专利US9332616B1	技术特征相似度	序号	该创新性描述
	摘要			
1	A path light that utilizes an ambient light sensor to determine the lighting conditions may experience feedback from its light source if it determines that the			
	lighting conditions are appropriate to illuminate the path light's light source			
2	The path light, as disclosed herein, may compute an offset value to ascertain the amount of feedback from the light source			
3	Upon learning the offset value, the path light may subtract the offset value from a detected amount of light to determine whether the lighting conditions of			
	its surroundings still meet a threshold level of darkness for the path light to illuminate			
4	权利要求			
5	A computer-implemented method, comprising: determining a first ambient light value based on a first amount of light detected by an ambient light sensor			
6	illuminating a light source integrated into a device with the ambient light sensor determining a second ambient light value based on a second amount of light detected by the ambient light sensor when the light source is illuminated at			
	an intensity			
7	computing an offset value representing a difference between the first ambient light value and the second ambient light value			
8	detecting a motion computing a third ambient light value based on a third amount of light detected by the ambient light sensor and the offset value			
9	detecting a motion and determining an illumination level of the light source based on the third ambient light value and the motion			
10	determining a first ambient light value based on a first amount of light detected by an ambient light sensor			
11	Illuminating a light source integrated into a device with the ambient light sensor			
12	determining a second ambient light value based on a second amount of light detected by the ambient light sensor when the light source is illuminated at			
	an intensity			
13	computing an offset value representing a difference between the first ambient light value and the second ambient light value			
14	detecting a motioncomputing a third ambient light value based on a third amount of light detected by the ambient light sensor and the offset value			
15	detecting a motion and determining an illumination level of the light source based on the third ambient light value and the motion			
16	The method of claim 1, wherein the offset value is dynamically adjusted based on data generated by the ambient light sensor over a period of time			
17	The method of claim 1, wherein the first ambient light value and the second ambient light value are determined in a dark environment			
18	The method of claim 3, wherein the dark environment comprises an ambient light intensity of not more than 60 lux			
19	The method of claim 1, wherein the intensity of the light source is not more than 150 lux			
20	The method of claim 1, wherein the intensity of the light source is not more than 500 lux			
21	The method of claim 1, wherein the intensity of the light source is in a range from 125 lux to 550 lux inclusive			
22	The method of claim 1, wherein the device comprises a single device			
23	The method of claim 1, further comprising determining the illumination level of the light source based on a time of day			
24	The method of claim 1, wherein the motion is detected within a field of view of a different device and not within the field of view of the device that contains the light source and the ambient light sensor			
25				
25	The method of claim 1, further comprising transmitting, from the device, a signal indicating the motion A path light device, comprising: an ambient light sensor			
27	a light source a processor communicatively coupled to the light source and the ambient light sensor, the processor configured to: determine a first			
-/	a light source a processor communicatively coupled to the light source and the ambient light sensor, the processor configured to: determine a first ambient light value based on a first amount of light detected by the ambient light sensor			
28	a light source illuminating the light source			
29	a light source determine a second ambient light value based on a second amount of light detected by the ambient light sensor when the light source is			
	illuminated at an intensity			
30	a light source compute an offset value representing a difference between the first ambient light value and the second ambient light value			
31	a light source detect a motion compute a third ambient light value based on a third amount of light detected by the ambient light sensor and the offset			
0.7	value			
32	a light source detect a motion and determine an illumination level of the light source based on the third ambient light value and the motion an ambient light sensor			
	an ambient light sensor a light sources processor communicatively coupled to the light source and the ambient light sensor, the processor configured to: determine a first			
34	a light sourcea processor communicatively coupled to the light source and the ambient light sensor, the processor comigured to: determine a linst ambient light value based on a first amount of light detected by the ambient light sensor			
35	a light source illuminating the light source			
36	a light source determine a second ambient light value based on a second amount of light detected by the ambient light sensor when the light source is			
-	illuminated at an intensity			
37	a light source compute an offset value representing a difference between the first ambient light value and the second ambient light value			
38	a light source detect a motion compute a third ambient light value based on a third amount of light detected by the ambient light sensor and the offset			
	value			
39	a light source detect a motion and determine an illumination level of the light source based on the third ambient light value and the motion			
40	determine a first ambient light value based on a first amount of light detected by the ambient light sensor			
41	illuminating the light source			
42	determine a second ambient light value based on a second amount of light detected by the ambient light sensor when the light source is illuminated at an intensity			
43	compute an offset value representing a difference between the first ambient light value and the second ambient light value			
44	detect a motion compute a third ambient light value based on a third amount of light detected by the ambient light sensor and the offset value			
45	detect a motion and determine an illumination level of the light source based on the third ambient light value and the motion			
46	The path light device of claim 12, wherein the offset value is dynamically adjusted based on data generated by the ambient light sensor over a period of			
40	time			
47	The path light device of claim 12, wherein the first ambient light value and the second ambient light value are determined in a dark environment			
48	The path light device of claim 14, wherein the dark environment comprises an ambient light intensity of not more than 60 lux			
49	The path light device of claim 12, wherein the intensity of the light source is not more than 150 lux			
50	The path light device of claim 12, wherein the intensity of the light source is not more than 500 lux			
51	The path light device of claim 12, wherein the intensity of the light source is in a range from 125 lux to 550 lux inclusive			
52	The path light device of claim 12, the processor further configured to determine the illumination level of the light source based on a time of day			
53	The path light device of claim 12, wherein the processor is configured to detect the motion within a field of view of a different device and not within the			
	field of view of the path light device			
54	The system of claim 12, the processor further configured to transmit, from the path light device, a signal indicating the motion			
55	A computer-implemented method			
56	comprising: obtaining an offset value for a path light corresponding to a difference between a first amount of light detected by an ambient light sensor of			
	the path light when a light source of the path light is illuminated at an intensity and a second amount of light detected by the ambient light sensor when the light source is inactive			
57	receiving, by the path light, an activation signal			
58	activating the light source at the intensity			
59	detecting a third amount of light by the ambient light sensor			
60	subtracting the offset value from the third amount of light to produce an adjusted light level			
	and determining if the adjusted light level is below a threshold			
62	obtaining an offset value for a path light corresponding to a difference between a first amount of light detected by an ambient light sensor of the path light			
	when a light source of the path light is illuminated at an intensity and a second amount of light detected by the ambient light sensor when the light source			
	is inactive			
63	receiving, by the path light, an activation signal			
64	activating the light source at the intensity			
65	detecting a third amount of light by the ambient light sensor			
66	subtracting the offset value from the third amount of light to produce an adjusted light level			
67	anddetermining if the adjusted light level is below a threshold The method of plain 22 further appropriate illumination the light equipped the path light is processed to a determination that the adjusted light level is			
68	The method of claim 22, further comprising illuminating the light source of the path light in response to a determination that the adjusted light level is below the threshold			
69	A computer-implemented method			
70	comprising: determining a first offset value for a path light corresponding to a difference between a first amount of light detected by an ambient light			
, ,	sensor of the path light when a light source of the path light is illuminated at an intensity and a second amount of light detected by the ambient light			
	sensor when the light source is inactive			
71	determining a first environmental light amount by the ambient light sensor			
72	applying the first offset value to the environmental light amount			
73	receiving a re-test signal			
74	responsive to the re-test signal			
75	determining a second offset value for the path light corresponding to a difference between a third amount of light detected by the ambient light sensor of			
	the path light when the light source of the path light is illuminated at the intensity and a fourth amount of light detected by the ambient light sensor when the light source is inactive			
76	determining a second environmental light amount by the ambient light sensor			
77	and applying the second offset value to the second environmental light amount			
78	determining a first offset value for a path light corresponding to a difference between a first amount of light detected by an ambient light sensor of the			
	path light when a light source of the path light is illuminated at an intensity and a second amount of light detected by the ambient light sensor when the			
	light source is inactive			
79	determining a first environmental light amount by the ambient light sensor			
80	applying the first offset value to the environmental light amount			
81	receiving a re-test signal			
82	responsive to the re-test signal			
83	determining a second offset value for the path light corresponding to a difference between a third amount of light detected by the ambient light sensor of the path light when the light source of the path light is illuminated at the intensity and a fourth amount of light detected by the ambient light sensor when			
	the path light when the light source of the path light is illuminated at the intensity and a fourth amount of light detected by the ambient light sensor when the light source is inactive			
84	determining a second environmental light amount by the ambient light sensor			
85	andapplying the second offset value to the second environmental light amount			
86	The method of claim 24, further comprising: determining that the second environmental light amount is below a threshold			
87	and illuminating the light source of the path light in response to a determination that the second environmental light amount is below the threshold			
88	determining that the second environmental light amount is below a threshold			
89	and illuminating the light source of the path light in response to a determination that the second environmental light amount is below the threshold			
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and a display controller operably couplet to the backgrid and configuration decidence are part of incidence value. 2 set where the angular adjustment portile defines displanted in the set of any of the decided level of any of the any of
shere the angular adjustment portife address adjustments to the destended and both for destended and both for destended and both for produce an adjusted ambient light level 33 display comprising a blacking it. 34 adjust a transplant was also as a state of the adjusted ambient light level 35 a display comprising a blacking it. 36 or or more ambient light amends configured to detected a level of ambient light and an angle of incidence value of the ambient light and an angle of incidence value of the ambient light and an angle of incidence value of the ambient light and an angle of incidence value of the ambient light and an angle of incidence value of the ambient light and an angle of incidence value of the ambient light and an angle of incidence value of the ambient light and an angle of incidence value of the ambient light and an angle of incidence value of the ambient light and an angle of incidence value of the ambient light and an angle of incidence value of the ambient light and an angle of incidence value of the ambient light and an angle of incidence value of the ambient light and an angle of incidence value of the angle o
adjust the detected new of ambient light leader on the angular aliquitment profile to produce an adjusted ambient light level 3 deplay comprising a backlight 3 one or more ambient light and a backlight of the angular aliquitment profile backlight and configurated to delect a level of ambient light and an angular of incidence value of the angular of incidence value 3 deplay comprising a backlight 3 deve or more ambient light and a function of the angular of incidence value 4 description of the angular of incidence value 3 deplay the detected level of ambient light level backed upon the angular aliquitment profile backed on the level of ambient light level backed upon the angular aliquitment profile backed on the level of ambient light level backed upon the angular aliquitment profile backed on the level of angular aliquitment profile backed on the level of ambient light level backed upon the angular aliquitment profile backed on the angular aliquitment profile backed on the angular aliquitment profile backed ambient light level 4 determine an angular adjustment profile backed allocated on the level of ambient light and a function of the angular of incidence value, wherein the angular aliquitment profile backed and level of ambient light level and adjustment profile backed and level of ambient light level and adjustment profile backed and level of ambient light level and adjustment profile backed and level of ambient light level and adjustment profile backed on the angular aliquitment profile backed on the angul
and adjust a trapitives of the backsjoth based on the adjusted animalized special real size display comprising a backgroup comprising a backgroup coupled to be factor a level of animalized profit of process or the special of the sp
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one or more ambient light services configured to detect all work of ambient light and an angle of incidence value and services or the ambient light and a fluorises of the services detected ambient light and a fluorises of the services detected ambient light and services or the amplier adjustment to the detected ambient light and services or the amplier adjustment to the detected ambient light the services of th
and adapting controller operately coupled to the backlight and configured to identice all seast on the level of analysis and justice on the angel of incidence value. 38 wherein the angular adjustment profile defines adjustment profile to produce an adjusted ambient light level. 40 and sights the detected level of ambient light based on the angular adjustment profile to produce an adjusted ambient light level. 41 determine an angular adjustment profile based as least on the level of ambient light level. 42 adjust the detected level of ambient light based on the angular adjustment profile above and the seast on the level of ambient light level and adjustment profile above and the angular adjustment profile above and the angular of incidence and adjustment profile above and the angular of incidence and adjustment profile above and the angular of incidence and adjustment profile above and the angular of incidence and adjustment profile to produce an adjusted ambient light level. 42 adjust the detected level of ambient light based on the angular adjustment profile to produce an adjusted ambient light level. 43 and adjusted ambient light level the adjusted ambient light level is approximately egual to the detected level of ambient light multiplied by the control of the angular of incidence and level and ambient light level is approximately egual to or greater than the detected level of ambient light with the angular of incidence and level and ambient light level to a greater than or less than invest yeld agreement the adjustment and the adjustment light level to a subject than investigating and adjustment light level and ambient light through the adjustment light level to a subject level of ambient light based on the angular adjustment thurcion is selectively webbald via user selection in a graphical user inte
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adjust the delected level of ambient light based on the angular adjustment profile to produce an adjusted ambient light level and adjust a brightness of the backlight based on the adjust and being light level delected and adjust a brightness of the backlight based on the adjust and being light level adjustment profile based and leads on the level of all backling and a function of the angle of incidence value, wherein the angular adjustment to the detected ambient gight level based upon the angle of incidence and adjust a brightness of the backlight based on the angular adjustment profile to proteomer profile to proteomer and spilled ambient light level and adjust a brightness of the backlight based on the adjust adjustment profile to proteomer and spilled ambient light level and adjust a brightness of the backlight based on the adjust admient light level is approximately equal to the detected level of ambient light multiplied by the cosine of the angle of incidence 45 The electronic device of claim 6, wherein the adjusted ambient light level is approximately equal to or greater than the detected level of ambient light multiplied by the cosine of the angle of incidence 46 wherein the adjusted ambient light level is approximately equal to or greater than the detected level of ambient light multiplied by the cosine of the angle of incidence and less than the detected level of ambient light multiplied by the cosine of the angle of incidence and less than the detected level of ambient light level is approximately equal to or greater than the detected level of ambient light level and provided the angle of incidence and less than the detected level of ambient light level and provided level of ambient light based on the angle of incidence can less than the detected level of ambient light based on the angle of incidence can less than the detected level of ambient light based on the angle of incidence can less than the detected level of ambient light based on the angular disjustment than the detected level of amb
and adjust a brightness of the backlight based on the adjusted ambient light level determine an angular adjustment profile based at least on the level of ambient light and a function of the angle of incidence value, wherein the angular adjustment profile offerine adjustment by the level based upon the angular adjustment profile offerine adjustment by the level based upon the margine and incidence as adjust the detected level of ambient light based on the angular adjustment profile of the backlight based on the adjusted ambient light level and adjust as brightness of the backlight based on the angular adjustment profile to produce an adjusted ambient light level and the detection device of claim 6, wherein the adjusted ambient light level is approximately equal to the detected level of ambient light multiplied by the cosine of the angle of the angle of the adjusted ambient light level is approximately equal to the detected level of ambient light multiplied by the cosine of the angle of wherein the adjusted ambient light level is approximately equal to the detected level of ambient light when the angle of incidence and less than the detected level of ambient light multiplied by the cosine of the angle of incidence and less than the detected level of ambient light multiplied by the cosine of the angle of incidence and less than the detected level of ambient light when the angle of incidence is greater than or less than invelve degrees 48 A method, comprising a user interface configured to receive a user input that selectively enables of via a user selection in a graphical user interface 49 when the adjustment function is selectively enables of via a user selection in a graphical user interface 49 when the adjustment function is selectively enables of via a user selection in an graphical user interface 50 detection, via the display controller, an angle or discidence analest light level based upon the angle of incidence value where it an angular adjustment profile for the detected ambient light level based o
setemine an anyolar adjustment profile based are least on the level of emission of the angle of incidence value, wherein the angular adjustment profile of bendered analized and benefit gifty the least of an angular adjustment profile to produce an adjusted ambient light level 43 analogical a brightness of the backgript based on the angular adjustment profile to produce an adjusted armbient light level 44 The electronic device of claim 6, wherein the adjusted ambient light level approximately equal to the detected level of ambient light multiplied by the cosine of the angle of incidence 45 The electronic device of claim 6. 46 wherein the adjusted ambient light level approximately equal to or greater than the detected level of ambient light multiplied by the cosine of the angle of incidence and less than the detected level of ambient light when the angle of incidence is greater than the detected level of ambient light when the angle of incidence is greater than the detected level of ambient light than the advertised level of ambient light than the angle of incidence is greater than the detected level of ambient light than the angle of incidence and less than the detected level of ambient light than the angle of incidence and less than the detected level of ambient light than the angle of incidence and less than the detected level of ambient light than the angle of incidence and less than the detected level of ambient light than the angle of incidence was less than the adjustment of the detected level of ambient light than the angle of incidence was less than the adjustment function is selectively enabled of search and adjustment function is selectively enabled detection. 48 A method, comprising detecting whether an angular adjustment function is selectively enabled detection ambient light level based on the adjustment function is selectively enabled detection ambient light level based on the adjustment function
43 and sout at indightness of the backlight based on the angular adjustment profile to produce an adjusted ambient light level 44 The electronic device of claim 6, wherein the adjusted ambient light level is approximately equal to the defected level of ambient light multiplied by the cosine of the angle of incidence of claim 6. 46 wherein the adjusted ambient light level is approximately equal to or greater than the defected level of ambient light multiplied by the cosine of the angle of incidence or all less than the defected level or dismost multiplied by the cosine of the angle of incidence and less than the defected level or dismost multiplied by the cosine of the angle of incidence or all less than the defected level or dismost multiplied by the cosine of the angle of incidence and less than the defected level or dismost multiplied by the cosine of the angle of incidence or all less than the defected level or dismost into the defected level of ambient light two devices of claim 6, comprising a user interface or support that selectively enables of the angle of incidence with the adjustment of the defected level of ambient light based on the angle of incidence or all less than the adjustment function is selectively enabled via a user selection in an applicat disturbent function is selectively enabled via a user selection in an applicat disturbent profile of the ambient light source 48 A method, comprising, detecting whether an angle of incidence value of the ambient light from the ambient light source 50 detecting, via the display controller, an angle of incidence value of the ambient light source 51 determining, via the display controller, a brightness of a backlight based on the angler adjustment to the defected ambient light from the ambient light source 52 where the angular adjustment function is selectively enabled: detecting via a less adjustment to the defected ambient light level based on the angular adjustment function is selectively enabled: detecting via a less adjustment to the defected amb
and additional to brightness of the backingth based on the adjusted ambient light level 4 The electronic device of claim 6, wherein the adjusted ambient light level is approximately equal to the detected level of ambient light multiplied by the cosine of the angle of incidence 45 The electronic device of claim 6. 46 where the adjusted ambient light level is approximately equal to or greater than the detected level of ambient light multiplied by the cosine of the angle of incidence and less than the detected level of ambient light when the angle of incidence is greater than or less than invely degrees 47 The electronic device of claim 6, comprising a user Interface according user of to receive a user Interface according user of the receive a user Interface according user of the receive and user Interface adjustment of the detected level of ambient light based on the angle of incidence is greater than or less than invely degrees 48 A method, comprising detecting where an angular adjustment function is selectively enabled via a user selection in a graphical user interface 49 where the adjustment function is selectively enabled, detecting, via a display controller, an ambient light level for an ambient light source 50 detecting, via the display controller, an angle of incidence value of the ambient light level based on the adjustment function is selectively enabled adjustment function is applied adjustment function is adjustment function is a selectively enabled on the adjustment function is adjustment function. 50 wherein the angular adjustment function is adjustment function i
The electronic direction of claim 6, wherein the adjusted ambient light level is approximately equal to the detected level of ambient light multiplied by the costine of the angle of incidence of the angle of wherein the adjusted ambient light level is approximately equal to or greater than the detected level of ambient light multiplied by the costine of the angle of wherein the adjusted ambient light level of ambient light level or ambient light source 48 A method, comprising, detecting whether an angle or incidence while an ambient light level for an ambient light source 49 when the adjustment nutrious is selectively enabled via a user selection in a graphical user interface 49 when the adjustment nutrious is selectively enabled via a user selection in a graphical user interface 50 detecting, via the display controller, an angle of incidence value of the ambient light source 51 determining, via the display controller, an angle of incidence value of the ambient light level for ambient light level for a melting light level for a ambient light level for an ambient light level for an ambient light level for a ambient light level for an ambient li
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45 The electronic dractor of chim 6 wherein the adjusted ambient light level is approximately equal to or greater than the detected level of ambient light multiplied by the cosine of the angle of incidence and less than the detected level of ambient light when the angle of incidence as greater than or less than intervity degrees 47 The electronic obvious of claim 6, comprising a user interface configured to receive a user input that selectively enables of seals assignment of the detected level of ambient light based on the angle of incidence. 48 An embod, comprising, detecting whether an anglar adjustment profile of the adjust controllur, an ambient light level for an ambient light source 49 when the adjustment function is selectively enables of was a user selection in a graphical user interface 40 detecting, via the display controller, an anglar adjustment profile of the detected ambient light level to asset only enables of the selected angle of incidence value 50 detecting, via the display controller, an anglar adjustment profile for the detected ambient light level based upon the anglar adjustment profile defines adjustments to the detected ambient light level based upon the anglar adjustment profile of the adjustment profile of the detected ambient light level based upon the anglar adjustment function is selectively enabled via suce selection in a graphical dustment profile of the ambient light level based upon the anglar adjustment function is selectively enabled. In a graphical dustment profile of the detected ambient light level based upon the anglar adjustment function is selectively enabled. In a septiment dustment profile of the detected ambient light level based upon the anglar adjustment function is selectively enabled. In a septiment dustment profile of the detected ambient light tource 55 when the adjustment function is selectively enabled in selectively enabled. In adjustment profile of the detected ambient light level based on the detected angle of incidence value 56 determing, via the di
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The electronic divice of claim R, comprising a user interface configurate to receive we state in the electronic divice of claim R). Comprising, detecting whether an angular adjustment configurate user interface when the adjustment function is selectively enabled; detecting, via a display controller, an ambient light twent for an ambient light source detecting, with the display controller, an amplier adjustment profile for the ambient light twent for an ambient light source detecting, via the display controller, an amplier adjustment profile for the ambient light source detecting, via the display controller, an amplier adjustment to the detected ambient light lives based on the amplier adjustment to the detected ambient light lives based on the detected ambient light lives based on the amplier adjustment to the detected ambient light lives based on the amplier adjustment to the detected ambient light lives the adjustment turnition is selectively enabled; detecting, via a display controller, an amplier adjustment function is selectively ambient and ambient light lives to a detection, and the display controller, an amplier adjustment function is selectively ambient ambient light lives to a detected amplier adjustment function is selectively ambient ambient light lives to the detected ambient light lives the additional ambient l
detected level of arribent light based on the angle of incidence A method, comprising detecting whether an angular adjustment function is selectively enabled via a user selection in a graphical user interface when the adjustment function is selectively enabled detecting, via a despired protection or a mobinet light source detecting, via the display controller, an angular of incidence value of the ambient light source solution of the display controller, an angular adjustment profile defines adjustment to the detected amount politic value of the defines adjustment profile defines adjustment to the detected amount politic value of the defines adjustment profile defines adjustment profile defines adjustment profile defines adjustment profile is adjustment profile defines adjustment profile is adjustment profile is adjustment profile in a specifical value of the ambient light source solution is adjustment function is adjustment profile of the defined amount of a applical value interface determing, via the display controller, an amplier display from the ambient light source determing, via the display controller, an amplier display from the ambient light source determing, via the display controller, an amplier display from the ambient light source determing, via the display controller, an amplier display from the ambient light source determing, via the display controller, an amplier display from the ambient light source
An embed, comprising, detecting whether an angular adjustment function is selectively enabled; detecting, via a display controller, an ambient light level for an ambient light source detecting, via the display controller, an angular adjustment profile for the ambient light level based on the detected ambient light level based upon the amplient adjustments to the detected ambient light level based upon the amplient adjustment to the detected ambient light level based upon the amplient adjustment to the detected ambient light level based upon the amplient adjustment to the detection whether an amplient adjustment to the detection ambient light level for an ambient light source detecting, via the display controller, an amplient adjustment to a might adjustment function is selectively enabled; detecting, via a display controller, an ambient light source detecting, via the display controller, an amplier adjustment profile from the ambient light source detecting, via the display controller, an amplier adjustment profile from the ambient light source detecting, via the display controller, an amplier adjustment profile for the detected ambient light from the ambient light source
when the adjustment function is selectively enabled: detecting, via a display controller, an ambient light source 50 detecting, via the display controller, an angle of incidence value of the ambient light source 51 determing, via the display controller, an angle of angle adjustment profile for the detected ambient light level based on the detected angle of incidence value 52 wherein the angles adjustment profile defines adjustments to the detected ambient light level based on the angle of incidence 53 and adjusting, via the display controller, a brightness of a backlight based on the angles adjustment profile of the detection and angles adjustment function is selectively enabled: detection, via a display controller, an angles adjustment function is selectively enabled: detection, via a display controller, an angle of incidence value of detection, via the display controller, an angle of incidence value of the ambient light source 56 determing, via the display controller, an angle of incidence value of the ambient light source 57 determing, via the display controller, an angle of incidence value of the ambient light source 58 determing, via the display controller, an angle of incidence value of the ambient light source 59 determing, via the display controller, an angle of incidence value of the ambient light source
51 determining, via the display controller, an angular adjustment profile for the detected ambient light level based on the detected angular displayment profile defines adjustment to the detected ambient light level based upon the angle of incidence 52 wherein the angular adjustment profile defines adjustments to the detected ambient light level based upon the angle of incidence 53 and adjusting, via the display controller, a brightness of a backlight based on the angular adjustment profile 54 detecting whether an angular adjustment function is selectively enabled via a user selection in a paphical user interface 55 when the adjustment function is selectively enabled: detecting, via a display controller, an ambient light town of the detected ambient light town of the detected ambient light source 56 detecting, via the display controller, an angle of incidence value of the ambient light town the adjustment function is adjustment profile for the detected ambient light level based on the detected ambient light level based on the detected ambient light town of the adjustment profile and angle adjustment profile for the detected ambient light level based on the detected ambient light level based on the detected ambient light town of the adjust of the adjust of the adjust of the adjustment profile and angle adjustment profile for the detected ambient light level based on the detected ambient li
52 wherein the angular adjustment profile defines adjustments to the detected ambient light level based upon the angle of incidence 53 and adjusting, via the display controller, a brightness of a backlight based on the angular adjustment profile 54 detecting whether an angular adjustment function is selectively enabled; of a septiment of an applical user interface 55 when the adjustment function is selectively enabled; detecting, via a display controller, an ambient light source 66 detecting, via the display controller, an angle of incidence value of the ambient light source 67 determing, via the display controller, an angle of adjustment profile for the detected ambient light source
53 and adjusting, via the display controller, a brightness of a backlight based on the angular adjustment profile 54 detecting whether an angular adjustment function is selectively enabled via a user selection in a graphical user interface 55 when the adjustment function is selectively enabled; via a display controller, an ambient light love for an ambient light source 56 detecting, via the display controller, an angular adjustment profile for the detected ambient light even based on the detected angle of incidence value of the display controller, an angular adjustment profile for the detected ambient light even based on the detected angle of incidence value.
detecting whether an angular adjustment function is selectively enabled via a user selection in a graphical user interface when the adjustment function is selectively enabled: detecting, via a display controller, an ambient light well for an ambient light source detecting, via the display controller, an angle of incidence value of the ambient light source detecting, via the display controller, an angle of another produced ambient light source determining, via the display controller, an angle of another produced ambient light source determining, via the display controller, an angle of another produced ambient light source determining. Via the display controller, an angle of another produced ambient light level based on the detected ambient light level based on the detect
55 when the adjustment function is selectively enabled; detection, via a display controller, an ambient light source 56 detection, via the display controller, an angle of incidence value of the ambient light source 57 determing, via the display controller, an angle and supplier adjustment profile for the detected ambient light source
56 detecting, via the display controller, an angle of incidence value of the ambient light from the ambient light source 57 determining, via the display controller, an angular adjustment profile for the detected ambient light level based on the detected angle of incidence value
57 determining, via the display controller, an angular adjustment profile for the detected ambient light level based on the detected angle of incidence value
58 wherein the angular adjustment profile defines adjustments to the detected ambient light (ever based upon the angle of incidence
, the process agreement and the account of the acco
59 and adjusting, via the display controller, a brightness of a backlight based on the angular adjustment profile
60 detecting, via a display controller, an ambient light level for an ambient light source
61 detecting, via the display controller, an angle of incidence value of the ambient light from the ambient light source 62 determing, with the display controller, an angle of incidence value of the detected ambient light level based on the detected ambient light level based on the detected angle of incidence value
use mineral, we are usupey voluntures, or any para substant profit or to require usual or any control or any co
64 andadjusting, via the display controller, a brightness of a backlight based on the angular adjustment profile
65 The method of claim 10, wherein determining an angular adjustment comprises determining an adjusted ambient light level approximately equal to the
detected ambient light level multiplied by the cosine of the detected angle of incidence
66 The method of claim 10 clai
or ween until an appear autopartent compress termining an appearance of the detected ambient light level multiplied by the cosine for the detected angle of incidence and approximately less than the detected ambient light level multiplied by the cosine for the detected and proximately less than the detected ambient light level when the angle
of incidence is greater than or less than ninety degrees
68 The method of claim 10
69 comprising adjusting the defected ambient light level by the angular adjustment to produce an adjusted ambient light level 70 where adjusting a thirpitance of the baddight and comprises determining a badjustment or the baddight that comprises determining a badjustment will be baddight that comprises the termining a badjustment or the baddight that comprises the baddight that the baddight that comprises the baddight that the baddight that comprises the baddight that the bad
** Instance responsing a unique ribb or are backupts conspicted understanding a unique ribb area for a re undersign is understanding a unique ribb area for a re undersign is understanding a responsibility of the constraint sprit. Period
71 The method of claim 10, wherein adjusting a brightness of the backlight comprises determining a brightness level for the backlight that corresponds to the
detacked administral light level and applying the anapplase adjustment to the determined brightness level 72 The amended of claim 10, comprising writing real-adjustment of or the abdiglight The amended of claim 10, comprising writing real-adjustment of the abdiglight The amended of claim 10, comprising writing real-adjustment for the abdiglight
/2 Ine method of claim 10, comprising electrical period adjustment of the backaget 73 The method of claim 10, comprising explainment or the backaget 73 The method of claim 10, comprising electrical period and the second of claim 10, comprising electrical period peri
angles of incidence each corresponding to one of the different ambient light sources
74 weighting the different ambient light sources based upon their corresponding detected ambient light levels and their corresponding detected angle of
incidence 75 and calculating an angular adjustment profile based upon the weighted different ambient light sources
7.9 arc caculating an anguar aujustiment profile extense upon the weighted uniform amount ingri sources 7.6 where the angular subjectiment profile extense upon the weighted uniform amount ingri sources 7.6 where the angular subjectiment profile extense adjustments to the detected aminority fully individual control amount for the subject of the subje
77 detecting multiple ambient light levels each corresponding to a different ambient light source detecting multiple angles of incidence each corresponding to
one of the different ambient light sources
78 weighting the different ambient light sources based upon their corresponding detected ambient light levels and their corresponding detected ambient light levels and their corresponding detected angle of incidence
79 andicalculating an angular adjustment profile based upon the weighted different ambient light sources
80 wherein the angular adjustment profile defines adjustments to the detected ambient light levels based upon the angles of incidence
81 Non-transitive computer-enablable storage media comprising instructions for determining an angular adjustment profile based at least on a level of another light detected by a sensor and a function of a value of the ambient light detected by a sensor and a function of a value of the ambient light detected by the sensor
ambient light detected by a sensor and a function of a value of the angle of incidence of the ambient light detected by a sensor and a function of a value of the angle of incidence of the ambient light detected by the sensor 8.2 adjustman using the ambiguity adjustment profile and a
az sapseng uson prise anguser adjustment protite 83 adjusting the detected ambient light level to produce an adjusted ambient light level that compensates for the angle of incidence of ambient light 83 adjusting the detected ambient light level to produce an adjusted ambient light level that compensates for the angle of incidence of ambient light
84 and adjusting a brightness of a backlight based on the adjusted ambient light level
85 determining an angular adjustment profile based at least on: a level of ambient light detected by a sensor and a function of a value of the angle of
incidence of the ambient light detected by the sensor 80 a level of ambient light detected by a sensor and function of a value of the angle of incidence of the ambient light detected by a sensor and function of a value of the angle of incidence of the ambient light detected by a sensor and function of a value of the angle of incidence of the ambient light detected by the sensor
86 a level of ambiest light described by a sensor and a function of a value of the angle of incidence of the ambient light detected by the sensor 87 adjusting using the angless adjustment profile 88 adjusting using the angless adjustment profile 89 adjusting using the angless adjustment profile 80 adjustment of the adjustment profile 81 adjustment profile 82 adjustment profile 83 adjustment profile 84 adjustment profile 85 adjustment profile 86 adjustment profile 87 adjustment profile 88 adjustment profile 88 adjustment profile 89 adjustment profile 89 adjustment profile 80 adjustment profile 81 adjustment profile 82 adjustment profile 83 adjustment profile 84 adjustment profile 85 adjustment profile 86 adjustment profile 86 adjustment profile 87 adjustment profile 88 adjustment profile 89 adjustment profile 89 adjustment profile 80 adjustment profile 81 adjustment profile 81 adjustment profile 82 adjustment profile 83 adjustment profile 84 adjustment profile 85 adjustment profile 85 adjustment profile 85 adjustment profile 85 adjustment profile 86 adjustment profile 87 adjustment profile 88 adjustment pr
or appearing using the adjusted analysis give detected above tight level to produce an adjusted ambient light level that compensates for the angle of incidence of ambient light the
Segment of the segmen
90 The non-transitory computer-readable storage media of claim 17, comprising instructions for determining the adjusted ambient light level to be
approximately equal to the detected antibient light level multiplied by the coaine of the angle of incidence of ambient light
91 The non-transitory computer-reachable storage media of claim 17, comprising instructions for determining the mount of the considered of managed in claim 19, and the considered of the managed in claims are considered of the managed in claims are considered on the managed in the considered of th
use course or us an agree of incomes or us and instruction, and use of the course
93 an ambient light sersor configurate to detect an ambient light sources
94 and a display controller operably coupled to the ambient light sensor and the backlight and configured to: determine a particular angular adjustment
profile for the backlight 55 where the ampulse adjustment profiles appulser-based adjustments to the brightness based on the detected ambient light angle to simulate a
95 wherein the angular adjustment profiles specifies angular-based adjustments to the brightness based on the detected ambient light angle to simulate a fellectivity associated with a hard copy material. As and copy material is a fell of the profile of the prof
96 and adjust a brightness of the backfight based on the detected ambient light level based upon the particular angular adjustment profile
96 and adjust a brightness of the backlight based on the detected ambient light level based upon the particular angular adjustment profile 97 a despity comprising a backlight. 98 backlight asset on the detected ambient light level based upon the particular angular adjustment profile 99 and adjust a brightness of the backlight asset on the detected ambient light level based upon the particular angular adjustment profile 90 and adjust a brightness of the backlight asset on the detected ambient light level based upon the particular angular adjustment profile 91 and adjust a brightness of the backlight asset on the detected ambient light level based upon the particular angular adjustment profile 92 and adjust a brightness of the backlight based on the detected ambient light level based upon the particular angular adjustment profile 93 and adjust a brightness of the backlight based on the detected ambient light level based upon the particular angular adjustment profile 94 and adjust a brightness of the backlight based on the detected ambient light level based upon the particular angular adjustment profile 95 and 95 a
97 a display comprising a backlight 98 an ambient light sensor configured to detect an ambient light sources 99 and display configured to detect an ambient light sources 99 and display controller example coupled to the ambient light source and the backlight and configured to determine a particular angular adjustment profile
97 a display comprising a backlight 98 an ambient light sensor configured to detect an ambient light level for one or more ambient light sources 99 and display controller operably coupled to the ambient light sensor and the backlight and configured to: determine a particular angular adjustment profile for the backlight
97 a display comprising a backlight 98 an artiblent light sereor configured to detect an ambient light level for one or more ambient light sources 99 and display conformation and display controlled an ambient light serior configured to determine a particular angular adjustment profile
97 a display comprising a backlight 98 an ambient light sensor configured to detect an ambient light sensor and the backlight sensor and the backlight sensor and the backlight and configured to: determine a particular angular adjustment profile for the backlight 100 where the angular adjustment profiles specifies angular-based adjustments to the brightness based on the detected ambient light angular adjustment profile reflectivity associated with a hard copy material 101 and adjust a brightness of the backlight based on the detected ambient light level based upon the pericular angular adjustment profile 102 and adjust a brightness of the backlight based on the detected ambient light level based upon the pericular angular adjustment profile 103 and adjust a brightness of the backlight based on the detected ambient light level based upon the pericular angular adjustment profile 103 and 104 a
97 a display comprising a backlight 98 an ambient light seriesc configured to detect an ambient light series configured to: detect an ambient light series configured to: detection adjustment profile of the backlight and configured to: determine a particular angular adjustment profile for the backlight 100 after the backlight 101 and adjust an significant profiles angular-based adjustments to the brightness based on the detected ambient light angular adjustment profile and the detected ambient light angular adjustment profile and the detected and the detected and the detected ambient light series based on the detected ambient light series based on the detected and the detected ambient light series based on the detected and the detected and the detected and the detected ambient light and the detected ambient light and the detected ambient light and the detected
97 a display controller passad pa

104	The electronic device of claim 20, wherein the display controller is configured to determine the particular angular adjustment profile for the backlight from a selection of a particular hard copy material profile provided in a graphical user interface		
105	The electronic device of claim 20, wherein the particular hard copy material profile comprises a book profile and the particular angular adjustment profile specifies angular-based adjustments to simulate a reflectivity associated with a book		
106	The electronic device of claim 20, wherein the particular hard copy material profile comprises a newspaper profile and the particular angular adjustment profile specifies angular-based adjustments to simulate a reflectivity associated with a newspaper		
107	The electronic device of claim 20, wherein the display controller is configured to: detect whether an angular adjustment selection is selectively enabled		
108	and adjust a brightness of the backlight based on the detected ambient light level based upon the particular angular adjustment profile only when the angular adjustment setting is selectively enabled		
109	detect whether an angular adjustment selection is selectively enabled		
110	andadjust a brightness of the backlight based on the detected ambient light level based upon the particular angular adjustment profile only when the angular adjustment setting is selectively enabled		

专利US9495915B1与该创新性描述的比对报告

		15915B1与该创新性抽处		
序号	专利US9495915B1	技术特征相似度	序号	该创新性描述
1	摘要			
	Techniques and apparatuses are disclosed to adjust an intensity of light emitted from front lights and/or to adjust a visual representation of content displayed by an electronic device based at least in part on a measurement of light intensity by a light sensor			
2	An electronic display may present a visual representation of objects including text and images, which may be subject to changes in size and contrast due			
	to the measured levels of ambient light			
3	A display controller may also control activation and/or intensity of lights used to illuminate the electronic display based on the measurement of light intensity by the light sensor in addition to or separate from the adjustments to contrast and size of the content			
	权利要求			
4	A system comprising: one or more processors			
5	a light sensor to measure a light intensity of ambient light			
7	a temperature sensor to measure temperature a reflective light display to render a visual presentation of a content			
8	a fenetive light assembly to emit light on a front side of the reflective light display, the front light assembly including a plurality of lights and light piping, the			
	light piping to evenly disperse the light from the plurality of lights onto the front side of the reflective light display			
9	and memory to store instructions that, when executed on the one or more processors, are operable to: receive a user input associating a contrast level of			
10	a plurality of contrast levels to at least one predetermined ambient light intensity receive a light intensity value that is measured by the light sensor			
11	turn on and incrementally increase or incrementally decrease light output from a subset but not all of the plurality of lights to provide a substantially			
	uniform light intensity over the reflective light display, the light output based at least in part on the light intensity value			
12	receive an ambient temperature value that is measured by the temperature sensor			
13	determine a waveform from a display profile based at least in part on the light intensity value, the ambient temperature value, and the user input, the waveform being configured to adjust a contrast of the content rendered on the reflective light display			
14	and adjust the contrast of the content rendered on the reflective light display using the waveform			
15	one or more processors			
16	a light sensor to measure a light intensity of ambient light			
17	a temperature sensor to measure temperature			
18	a reflective light display to render a visual presentation of a content a front light assembly to emit light on a front side of the reflective light display, the front light assembly including a plurality of lights and light piping, the			
	light piping to evenly disperse the light from the plurality of lights onto the front side of the reflective light display			
20	andmemory to store instructions that, when executed on the one or more processors, are operable to: receive a user input associating a contrast level of a plurality of contrast levels to at least one predetermined ambient light intensity			
21	receive a light intensity value that is measured by the light sensor			
22	turn on and incrementally increase or incrementally decrease light output from a subset but not all of the plurality of lights to provide a substantially			
23	uniform light intensity over the reflective light display, the light output based at least in part on the light intensity value receive an ambient temperature value that is measured by the temperature sensor			
24	determine a waveform from a display profile based at least in part on the light intensity value, the ambient temperature value, and the user input, the			
	waveform being configured to adjust a contrast of the content rendered on the reflective light display			
25	and adjust the contrast of the content rendered on the reflective light display using the waveform			
26 27	receive a user input associating a contrast level of a plurality of contrast levels to at least one predetermined ambient light intensity receive a light intensity value that is measured by the light sensor			
28	receive a light intensity value that is measured by the light sensor tum on and incrementally increase or incrementally decrease light output from a subset but not all of the plurality of lights to provide a substantially			
	uniform light intensity over the reflective light display, the light output based at least in part on the light intensity value			
29	receive an ambient temperature value that is measured by the temperature sensor			
30	determine a waveform from a display profile based at least in part on the light intensity value, the ambient temperature value, and the user input, the waveform being configured to adjust a contrast of the content rendered on the reflective light display			
31	andadjust the contrast of the content rendered on the reflective light display using the waveform			
32	The system as recited in claim 1, wherein receiving the light intensity value that is measured by the light sensor occurs on a continual basis			
33	The system as recited in claim 1, wherein the reflective light display is an electronic ink display			
34	The system as recited in claim 1, wherein the front light assembly removably couples to the reflective light display			
35	The system as recited in claim 1, wherein: the reflective light display renders the visual presentation of the content using electronic ink and the waveform is implemented as a numerical value that is based at least in part on a viscosity of the electronic ink			
36	and the waveform is implemented as a numerical value that is based at least in part on a viscosity of the electronic link the reflective light display renders the visual presentation of the content using electronic link			
38	and the waveform is implemented as a numerical value that is based at least in part on a viscosity of the electronic ink			
39	The system as recited in claim 1, wherein the light intensity value is an average light intensity measured over a predetermined period of time			
40	The system as recited in claim 1, wherein the memory further stores instructions that, when executed on the one or more processors are operable to:			
41	receive an additional user input that associates an image size of a plurality of image sizes to the at least one predetermined ambient light intensity and adjust an image size of the content rendered on the reflective light display, based at least in part on the light intensity value and the additional user			
	input			
42	receive an additional user input that associates an image size of a plurality of image sizes to the at least one predetermined ambient light intensity			
43	andadjust an image size of the content rendered on the reflective light display, based at least in part on the light intensity value and the additional user input			
44	An electronic device comprising: a light sensor to measure a light intensity of ambient light			
45	an electronic paper display configured to present a visual representation of a content by selectively moving particles through associated capsules			
46	a particle of the particles representing a pixel of the content and the associated capsules being aligned substantially perpendicular to a display surface of			
47	the electronic paper display			
48	a front light assembly to illuminate the electronic paper display, the front light assembly including a plurality of lights and a display controller in communication with at least the light sensor to: receive a light intensity value that is measured by the light sensor			
49	turn on and incrementally increase or incrementally decrease light output from a subset but not all of the plurality of lights to provide a substantially			
	uniform light intensity over the display surface of the electronic paper display			
50	the light output based at least in part on the light intensity value			
51 52	determine a power consumption rate associated with a current use of the electronic device determine, based at least in part on the light intensity value that is measured by the light sensor, a waveform that controls movement of the particles to			
-	adjust a contrast of the visual representation of the content presented on the electronic paper display			
53	and adjust the contrast of the visual representation of the content presented on the electronic paper display using the waveform, and further based at least in part on the power consumption rate			
54	a light sensor to measure a light intensity of ambient light			
55	an electronic paper display configured to present a visual representation of a content by selectively moving particles through associated capsules			
56	a particle of the particles representing a pixel of the content and the associated capsules being aligned substantially perpendicular to a display surface of			
57	the electronic paper display a front light assembly to illuminate the electronic paper display, the front light assembly including a plurality of lights			
58	and display controller in communication with at least the light sensor to: receive a light intensity value that is measured by the light sensor			
59	turn on and incrementally increase or incrementally decrease light output from a subset but not all of the plurality of lights to provide a substantially			
	uniform light intensity over the display surface of the electronic paper display			
60	the light output based at least in part on the light intensity value determine a power consumption rate associated with a current use of the electronic device			
62	determine, based at least in part on the light intensity value that is measured by the light sensor, a waveform that controls movement of the particles to			
	adjust a contrast of the visual representation of the content presented on the electronic paper display			
63	and adjust the contrast of the visual representation of the content presented on the electronic paper display using the waveform, and further based at least in part on the power consumption rate			
64	receive a light intensity value that is measured by the light sensor			
65	turn on and incrementally increase or incrementally decrease light output from a subset but not all of the plurality of lights to provide a substantially			
66	uniform light intensity over the display surface of the electronic paper display			
66	the light output based at least in part on the light intensity value determine a power consumption rate associated with a current use of the electronic device			
68	determine, based at least in part on the light intensity value that is measured by the light sensor, a waveform that controls movement of the particles to			
	adjust a contrast of the visual representation of the content presented on the electronic paper display			
69	andadjust the contrast of the visual representation of the content presented on the electronic paper display using the waveform, and further based at least in part on the power consumption rate			
70	The electronic device as recited in claim 8, wherein the front light assembly comprises the plurality of lights surrounding light piping, the light piping			
71	located adjacent to an outward-facing side of the electronic paper display The electronic device as recited in claim 8, wherein the display controller adjusts an amount of light emitted by the front light assembly on a continual			
	basis			
72	The electronic device as recited in claim 8, wherein the light sensor measures the light intensity of ambient light, partly in response to an expiration of a			
73	predetermined duration of time The electronic device as recited in claim 8			
74	wherein the front light assembly is offset from the electronic paper display such that a location of the front light assembly is adjustable with respect to the			
	electronic paper display and such that the front light assembly is positioned to disperse light emitted from the front light assembly to cover at least a portion but not all of the electronic paper display			
75	A method comprising: measuring a light intensity of ambient light that is proximate to a display device to determine a first light intensity value			
76	the display device including a front light assembly to illuminate a front side of a reflective light display			
77	the front light assembly comprising a plurality of lights and light piping			
78 79	the light piping to evenly disperse the light from the plurality of lights onto the front side of the reflective light display Lyming on and incrementally increasing or decreasing light output from a subset but not all of the plurality of lights to provide a substantially uniform light.			
/9	turning on and incrementally increasing or decreasing light output from a subset but not all of the plurality of lights to provide a substantially uniform light intensity over the reflective light display, the light output based at least in part on the first light intensity value			
80	receiving a user input associating a contrast level of a plurality of contrast levels to at least one predetermined ambient light intensity			
81	measuring the light intensity of ambient light proximate to the display device to determine a second light intensity value			
82	and adjusting a contrast of a content rendered on the display device, based at least in part on the second light intensity value and based at least in part on the user input			
83	measuring a light intensity of ambient light that is proximate to a display device to determine a first light intensity value			
84	the display device including a front light assembly to illuminate a front side of a reflective light display			
85	the front light assembly comprising a plurality of lights and light piping			
86	the light piping to evenly disperse the light from the plurality of lights onto the front side of the reflective light display turning on and incrementally increasing or decreasing light output from a subset but not all of the plurality of lights to provide a substantially uniform light			
87	turning on and incrementally increasing or decreasing light output from a subset but not all of the plurality of lights to provide a substantially uniform light intensity over the reflective light display, the light output based at least in part on the first light intensity value			
	receiving a user input associating a contrast level of a plurality of contrast levels to at least one predetermined ambient light intensity			
88	measuring the light intensity of ambient light proximate to the display device to determine a second light intensity value			
89	andadjusting a contrast of a content rendered on the display device, based at least in part on the second light intensity value and based at least in part on			
89	the user input The method as recited in claim 13, further comprising adjusting an image size of an object in the content rendered on the display device based at least in			
89 90 91	The method as recited in claim 13, further comprising adjusting an image size of an object in the content rendered on the display device based at least in part on the light intensity of ambient light and at least partly in response to the user input			
90 91 92	The method as excited in claim 13, further comprising adjusting an image size of an object in the content rendered on the display device based at least in part on the light intensity of intibients fight and at least partly in response to the user input. The method as recited in claim 13			
89 90 91	The method as recited in claim 13, further comprising adjusting an image size of an object in the content rendered on the display device based at least in part on the light intensity of ambient light and at least partly in response to the user input			
90 91 92	The method as recited in claim 13, further comprising adjusting an image size of an object in the content rendered on the display device based at least in part on the light intensity of articles light and at least spary in response to the user input. The method as recited in claim 13 wherein the adjusting the content of the content comprises decreasing the contrast of the content rendered on the display device in response to the sight stensally of ambient light being more intense than a previous measurement of the light intensity of ambient light. The method as nexited in claim 13, further comprising, receiving a page turn request at the display device, wherein the page turn request is a signal.			
90 91 91 92 93	The resthod as excised in claim 13, further comprising adjusting an image size of an object in the content rendered on the display device based at least a part on the light intensity of ambient light and at least partly in response to the unev input. The method as recited in claim 13 wherein the adjusting the contrast of the content comprises decreasing the contrast of the content rendered on the display device in response to the light intensity of ambient light being more intense than a previous measurement of the light intensity of ambient light. The resthod as recited in claim 13, further comprising, receiving a page flum request at the display device, wherein the page flum request is a signal generated in recompose to an additional user input.			
90 91 91 92 93 94	The method as recited in claim 13, further comprising adjusting an image size of an object in the content rendered on the display device based at least in part on the light intensity of armbient fight and at least party in response to the user input. The method as recited in claim 13 wherein the adjusting the contrast of the content comprises decreasing the contrast of the content rendered on the display device in response to the light intensity of armbient gibt bring more intensity of armbient gibt bring more intensity and armbient gibt bring more intensity and armbient gibt arm provides the properties of the comprising receiving a page turn request at the display device, wherein the page turn request is a signal generated in response to one additional user input and wherein adjusting the contrast of the content rendered on the display device, wherein the page turn request is a signal generated in second to claim 15, further comprising, receiving a page turn request at the display device, wherein the page turn request is a signal generated in exponent to an additional user input.			
90 91 91 92 93	The resthod as excised in claim 13, further comprising adjusting an image size of an object in the content rendered on the display device based at least a part on the light intensity of ambient light and at least partly in response to the unev input. The method as recited in claim 13 wherein the adjusting the contrast of the content comprises decreasing the contrast of the content rendered on the display device in response to the light intensity of ambient light being more intense than a previous measurement of the light intensity of ambient light. The resthod as recited in claim 13, further comprising, receiving a page flum request at the display device, wherein the page flum request is a signal generated in recompose to an additional user input.			

98	a temperature sensor to measure temperature		
99	a reflective light display to render a visual representation of a content		
100	a front light assembly to illuminate a front side of the reflective light display, the front light assembly including a plurality of lights		
101	and a display controller in communication with the light sensor to: receive a first light intensity value that is measured by the light sensor		
102	turn on and incrementally increase or incrementally decrease light output from a subset but not all of the plurality of lights to provide a substantially		
	uniform light intensity over the reflective light display, the light output based at least in part on the first light intensity value		
103	determine a power consumption rate associated with a current use of the apparatus		
104	receive a request for a new page or a next page of the content		
105	based at least partly on the request, receive a second light intensity value that is measured by the light sensor		
106	receive an ambient temperature value that is measured by the temperature sensor		
107	and determine a waveform for a display profile based at least in part on the second light intensity value, the ambient temperature value, and the power consumption rate, the waveform being configured to adjust a contrast of the content rendered on the reflective light display		
108	a light sensor to measure a light intensity of ambient light		
109	a temperature sensor to measure temperature		
110	a reflective light display to render a visual representation of a content		
111	a front light assembly to illuminate a front side of the reflective light display, the front light assembly including a plurality of lights		
112	anda display controller in communication with the light sensor to: receive a first light intensity value that is measured by the light sensor		
113	turn on and incrementally increase or incrementally decrease light output from a subset but not all of the plurality of lights to provide a substantially uniform light intensity over the reflective light display, the light output based at least in part on the first light intensity value		
114	determine a power consumption rate associated with a current use of the apparatus		
115	receive a request for a new page or a next page of the content		
116	based at least partly on the request, receive a second light intensity value that is measured by the light sensor		
117	receive an ambient temperature value that is measured by the temperature sensor		
118	and determine a waveform for a display profile based at least in part on the second light intensity value, the ambient temperature value, and the power consumption rate, the waveform being configured to adjust a contrast of the content rendered on the reflective light display		
119	receive a first light intensity value that is measured by the light sensor		
120	turn on and incrementally increase or incrementally decrease light output from a subset but not all of the plurality of lights to provide a substantially uniform light intensity over the reflective light display, the light output based at least in part on the first light intensity value		
121	determine a power consumption rate associated with a current use of the apparatus		
122	receive a request for a new page or a next page of the content		
123	based at least partly on the request, receive a second light intensity value that is measured by the light sensor		
124	receive an ambient temperature value that is measured by the temperature sensor		
125	anddetermine a waveform for a display profile based at least in part on the second light intensity value, the ambient temperature value, and the power consumption rate, the waveform being configured to adjust a contrast of the content rendered on the reflective light display		
126	The apparatus as recited in claim 17, further comprising a lens to direct light emitted from the plurality of lights onto the front side of the reflective light display		
127	The apparatus as recited in claim 18		
128	wherein the plurality of lights are located around at least a portion of a perimeter of the reflective light display		
129	and wherein the lens comprises light piping adjacent to the front side of the reflective light display		
130	the light piping to redirect light from the plurality of lights onto the reflective light display		
131	The apparatus of claim 17		
132	wherein the display controller is further configured to: receive a user input that associates a particular size of non-textual portions of the content with a predetermined ambient light intensity value		
133	the particular size being different from an initial size of the non-textual portions of the content		
134	and adjust the initial size of the non-textual portions of the content, based at least in part on the second light intensity value and the user input		
135	receive a user input that associates a particular size of non-textual portions of the content with a predetermined ambient light intensity value, the particular size being different from an initial size of the non-textual portions of the content		
136	andadjust the initial size of the non-textual portions of the content, based at least in part on the second light intensity value and the user input		

专利US20130100097A1与该创新性描述的比对报告

	专利US20130100097A1与该创新性描述的比对报告						
序号	专利US20130100097A1	技术特征相似度	序号	读创新性描述			
	摘要						
1	This disclosure provides systems, methods and apparatus, including computer programs encoded on computer storage media, for controlling lighting of a display based on ambient light conditions						
	In one aspect, a display device can include a display and an auxiliary light source configured to provide supplemental light to the display						
3	The display device further can include a sensor system configured to measure a diffuse illuminance of ambient light from a wide range of directions and configured to measure a directed illuminance of the ambient light from a relatively narrow range of directions						
4	The display device further can include a controller configured to adjust the auxiliary light source to provide an amount of supplemental light to the display						
5	The amount of supplemental light can be based at least in part on the measured directed illuminance and the measured diffuse illuminance of the ambient light						
	校利要求						
	A display device comprising: a display						
	an auxiliary light source configured to provide supplemental light to the display						
9	a sensor system configured to measure: a diffuse illuminance of ambient light from a wide range of directions and a directed illuminance of the ambient light from a relatively narrow range of directions						
10	and a controller in communication with the sensor system						
	the controller configured to adjust the auxiliary light source to provide an amount of supplemental light to the display						
	the amount of supplemental light based at least in part on the measured directed illuminance and the measured diffuse illuminance of the ambient light a displayan auxiliary light source configured to provide supplemental light to the display						
	a displaya sensor system configured to measure: a diffuse illuminance of ambient light from a wide range of directions						
	a display and a directed illuminance of the ambient light from a relatively narrow range of directions a display and a diffuse illuminance of ambient light from a wide range of directions						
	a display and a directed illuminance of ambient light from a wide range of directions a display and a directed illuminance of the ambient light from a relatively narrow range of directions						
18	anda controller in communication with the sensor system						
	the controller configured to adjust the auxiliary light source to provide an amount of supplemental light to the display						
	the amount of supplemental light based at least in part on the measured directed illuminance and the measured diffuse illuminance of the ambient light. The display device of claim 1, wherein the display includes a reflective display.						
	The display device of claim 2, wherein the reflective display includes interferometric modulators						
	The display device of claim 1, wherein the sensor system includes at least one sensor configured to sense ambient light from at least two directions. The display device of claim 4, wherein the at least one sensor includes a diffuse light sensor configured to measure the diffuse illuminance and a directed.						
	light sensor configured to measure the directed illuminance						
25	The display device of claim 4, wherein the at least one sensor includes a plurality of directed light sensors, each directed light sensor configured to measure illuminance of the ambient light received within a solid angle around a direction, the solid angle substantially less than 2n steradians 7						
26	The display device of claim 1, wherein the controller is configured to adjust the auxiliary light source based at least in part on a ratio of the measured						
27	directed illuminance to the measured diffuse illuminance The display device of claim 1, wherein the controller is configured to adjust the auxiliary light source based at least in part on a sum of the measured						
	directed illuminances and the measured diffuse illuminance						
28	The display device of claim 1, wherein the controller is configured to adjust the auxiliary light source based on a direction to a directed ambient light source						
29	The display device of claim 9, wherein the direction to the directed ambient light source is determined based at least in part on the directed illuminance						
30	and the diffuse illuminance measured by the sensor system The display device of claim 10, wherein the controller is configured to adjust the auxiliary light source based at least in part on a location of a viewer						
	The display device of claim 10, wherein the controller is configured to adjust the auxiliary light source based at least in part on a location of a viewer. The display device of claim 1, further comprising: a processor that is configured to communicate with the display, the processor being configured to						
	process image data						
	and a memory device configured to communicate with the processor a processor that is configured to communicate with the display, the processor being configured to process image data						
	a processor states configured to communicate with the processor being configured to process image data and memory device configured to communicate with the processor.						
	The display device of claim 12, further comprising: a driver circuit configured to send at least one signal to the display						
	a driver circuit configured to send at least one signal to the display The display device of claim 13, further comprising: a driver controller configured to send at least a portion of the image data to the driver circuit						
	a driver controller configured to send at least a portion of the image data to the driver circuit						
	The display device of claim 12, further comprising: an image source module configured to send the image data to the processor						
40	an image source module configured to send the image data to the processor The display device of claim 15, wherein the image source module includes at least one of a receiver, transceiver, and transmitter						
42	The display device of claim 12, further comprising: an input device configured to receive input data and to communicate the input data to the processor						
43	an input device configured to receive input data and to communicate the input data to the processor						
44	A display device comprising: a display						
46	an auxiliary light source means for sensing ambient light, the means for sensing ambient light configured to measure a diffuse illuminance of the ambient light from a wide range of						
	directions and configured to measure a directed illuminance of the ambient light from a relatively narrow range of directions						
47	and a controller in communication with the means for sensing ambient light, the controller configured to adjust the auxiliary light source based at least in part on the measured directed illuminance and the measured diffuse illuminance of the ambient light						
48	a displayan auxiliary light source						
49	a displaymeans for sensing ambient light, the means for sensing ambient light configured to measure a diffuse illuminance of the ambient light from a wide range of directions and configured to measure a directed illuminance of the ambient light from a relatively narrow range of directions						
50	a display and a controller in communication with the means for sensing ambient light, the controller configured to adjust the auxiliary light source based at least in part on the measured directed illuminance and the measured diffuse illuminance of the ambient light.						
51	least in part on the measured directed illuminance and the measured diffuse illuminance of the ambient light The display device of claim 18, wherein the display includes a reflective display						
52	The display device of claim 19, wherein the reflective display includes interferometric modulators						
53	The display device of claim 18, wherein the auxiliary light source includes a front-light						
54	The display device of claim 18, wherein the means for sensing ambient light includes at least one sensor configured to sense ambient light from at least two directions						
55	The display device of claim 22, wherein the at least one sensor includes a diffuse light sensor configured to measure the diffuse illuminance and a directed light sensor configured to measure the directed illuminance						
56	The display device of claim 22, wherein the at least one sensor includes a plurality of directed light sensors, each directed light sensor configured to						
	measure illuminance of the ambient light received within a solid angle around a direction, the solid angle substantially less than 2π steradians						
57	The display device of claim 18, wherein the controller is configured to adjust the auxiliary light source based at least in part on a ratio of the measured directed illuminance to the measured diffuse illuminance						
58	The display device of claim 18, wherein the controller is configured to adjust the auxiliary light source based at least in part on a sum of the measured						
59	directed illuminances and the measured diffuse illuminance The display device of claim 18, wherein the controller is configured to adjust the auxiliary light source based on a direction to a directed ambient light						
	source						
	The display device of claim 27, wherein the controller is configured to adjust the auxiliary light source based on a location of a viewer A method of controlling lighting of a display of a display device						
62	the display device having an auxiliary light source configured to provide supplemental light to the display						
63	the display device having a diffuse light sensor and a directed light sensor						
	the method comprising: measuring via the diffuse light sensor						
66	a diffuse illuminance of ambient light from a wide range of directions						
	measuring, via the directed light sensor, a directed illuminance of the ambient light from a relatively narrow range of directions						
68	and adjusting, via execution of instructions by a hardware processor, the auxiliary light source based at least in part on the measured directed illuminance and the measured diffuse illuminance of the ambient light						
	measuring, via the diffuse light sensor, a diffuse illuminance of ambient light from a wide range of directions						
	measuring, via the directed light sensor, a directed illuminance of the ambient light from a relatively narrow range of directions andadjusting, via execution of instructions by a hardware processor, the auxiliary light source based at least in part on the measured directed illuminance						
	and the measured diffuse illuminance of the ambient light						
72	The method of claim 29, wherein adjusting the auxiliary light source includes adjusting the auxiliary light source based at least in part on a ratio of the measured directed illuminance to the measured diffuse illuminance						
73	The method of claim 29, wherein adjusting the auxiliary light source includes adjusting the auxiliary light source based at least in part on a sum of the						
74	measured directed illuminances and the measured diffuse illuminance The method of claim 29, wherein adjusting the auxiliary light source is based on a direction to a directed ambient light source						
75	The method of claim 32, wherein adjusting the auxiliary light source is based on a location of a viewer						
	A non-transitory tangible computer storage medium having stored thereon instructions for controlling lighting of a display of a display device						
	the instructions when executed by a computing system the instructions causing the computing system to perform operations comprising; receiving from a computer-readable medium a measurement of a						
	directed illuminance of ambient light from a relatively narrow range of directions						
	receiving from a computer-readable medium a measurement of a diffuse illuminance of ambient light from a wide range of directions determining additional lighting conditions based at least in part on the measurement of the directed illuminance and the measurement of the diffuse						
	illuminance of the ambient light						
	and transmitting a lighting adjustment based at least in part on the additional lighting conditions to a light source configured to provide light to the display						
82	receiving from a computer-readable medium a measurement of a directed illuminance of ambient light from a relatively narrow range of directions receiving from a computer-readable medium a measurement of a diffuse illuminance of ambient light from a wide range of directions						
	determining additional lighting conditions based at least in part on the measurement of the directed illuminance and the measurement of the diffuse						
85	illuminance of the ambient light andtransmitting a lighting adjustment based at least in part on the additional lighting conditions to a light source configured to provide light to the display						
	The non-transitory tangible computer storage medium of claim 34, wherein receiving the diffuse illuminance of ambient light includes receiving a plurality						
	of directed illuminances for different directions						
87	The non-transitory tangible computer storage medium of claim 34, wherein determining additional lighting conditions includes accessing a lookup table that correlates diffuse illuminance with a ratio of directed illuminance to the diffuse illuminance.						
88	The non-transitory tangible computer storage medium of claim 34, wherein determining additional lighting conditions includes accessing a formula that correlates diffuse illuminance with a ratio of directed illuminance to the diffuse illuminance						
89	The non-transitory tangible computer storage medium of claim 34, wherein determining additional lighting conditions includes accessing a formula that is						
	based at least in part on a sum of the measured directed illuminances and the measured diffuse illuminance						

	专利US20140104436A1与该创新性描述的比对报告							
序号	专利US20140104438A1	技术特征相似度	序号	该创新性描述				
	摘要							
1	A display device to measure ambient light brightness may include a camera to provide an image							
2	a controller to detect a face from the image and to measure brightness from a ratio of the iris diameter to the pupil diameter DI/DP							
3	and an actuator to stepwise change the backlighting of the display device based upon the measured brightness							
	权利要求							
4) (canceled) 5) A display device to measure ambient light brightness, comprising: a camera to provide an image							
5	a controller to measure brightness from a ratio of the iris diameter to the pupil diameter DVDP							
6	a camera to provide an image							
7	a controller to measure brightness from a ratio of the iris diameter to the pupil diameter DVDP							
8	6) A display device to measure ambient light brightness as in claim 5, wherein the controller turns off the display device if a face is not detected							
9	7) A display device to measure ambient light brightness as in claim 5, wherein the measured brightness is compared with respect to a predetermined							
	brightness							
	8) A display device to measure ambient light brightness as in claim 5, wherein the display device includes an actuator to stepwise change the backlighting							
	of the display device based upon the measured brightness							
	9) A display device to measure ambient light brightness as in claim 8, wherein the actuator changes the backlighting of the display device if the measured brightness is more than two increments from the predetermined brightness							
12	10) A display device to measure ambient light brightness as in claim 5, wherein the controller detects a face from the image							
13	11) A display device to measure ambient light brightness as in claim 5, wherein the display device includes an infrared light emitting diode light source and the camera is sensitive to the infrared light emitting diode light							
14	12) A display device to measure ambient light brightness as in claim 5, wherein the display device includes a ambient light sensor							
15	13) A display device to measure ambient light brightness as in claim 12, wherein the controller compares the brightness from the ambient light sensor and the brightness based upon the pupil diameter to determine if the pupil of the user is responsive to light							
16	14) A display device to measure ambient light brightness as in claim 13, wherein the controller activates the display device to transmit a signal when the comparison between the brightness from the ambient light sensor and the brightness based upon the pupil diameter exceeds a predetermined level							

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