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- **Kim, Sang-Soo**
Songpa-ku,
Seoul (KR)
- **Park, Dong-Won**
Seodaemun-ku,
Seoul (KR)
- **Choi, Hyeong-Bae**
Kwanak-ku,
Seoul (KR)

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(71) Applicant: **SAMSUNG ELECTRONICS CO. LTD.**
Suwon-city,
Kyungki-do (KR)

(74) Representative: **Mouteney, Simon James**
Marks & Clerk
90 Long Acre
London WC2E 9RA (GB)

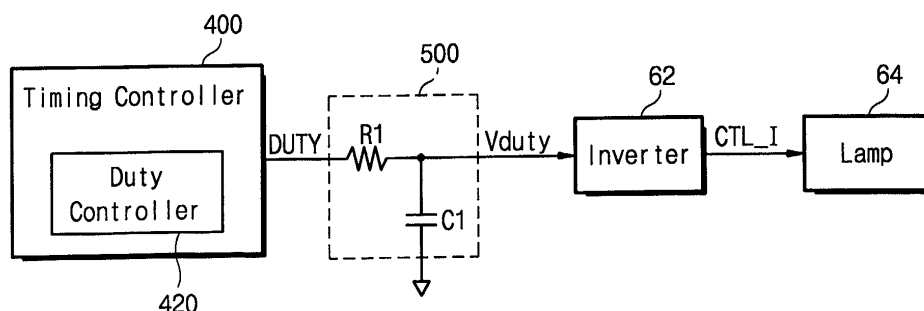
(72) Inventors:
• **Moon, Seung-Hwan**
Seocho-ku,
Seoul (KR)

(54) **Apparatus and method for automatic brightness control of the backlight for use in a liquid crystal display device**

(57) An LCD device having a backlight generates a backlight brightness control signal in response to a duty rate signal corresponding to an average gray level or/and a color state of image data to be displayed on the LCD

device and a brightness control voltage generated from the main body of the computer by user, and controls a brightness of the backlight automatically according to the backlight brightness control signal.

Fig. 3





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EUROPEAN SEARCH REPORT

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EP 01 30 9446

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Place of search Munich		Date of completion of the search 1 October 2007	Examiner Corsi, Fabio
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7

EPO FORM 1503 03.82 (P04C01)



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7

EPO FORM 1503 03/92 (P04C01)



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Place of search Munich		Date of completion of the search 1 October 2007	Examiner Corisi, Fabio
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

7

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7

EPO FORM 1503 03.02 (P04C01)

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



European Patent
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**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

EP 01 30 9446

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-18

LCD device with automatic control of backlight brightness
based on average image grey level and on user operation

2. claims: 19-26

LCD device with automatic control of backlight brightness
based on image pixel colour

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 30 9446

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