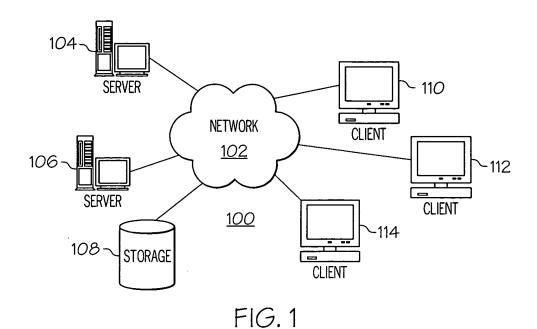
Dalal, et al. RSW920050159US1

1/18



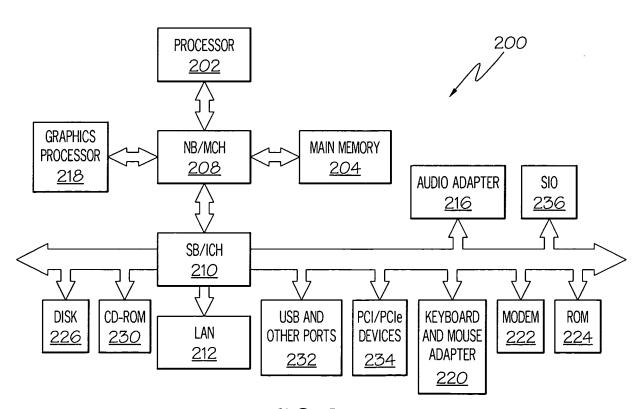


FIG. 2

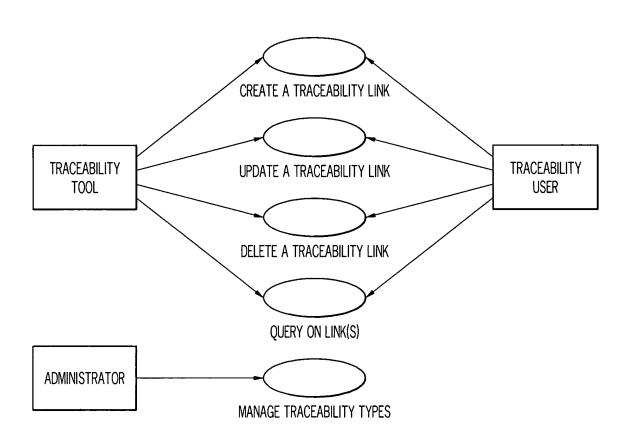
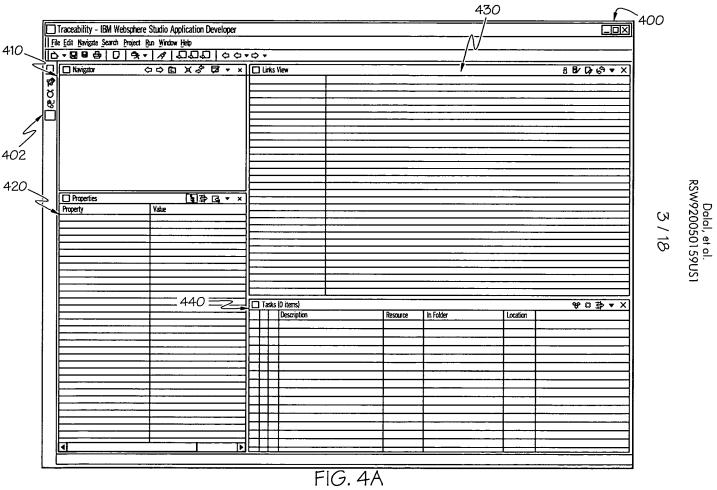
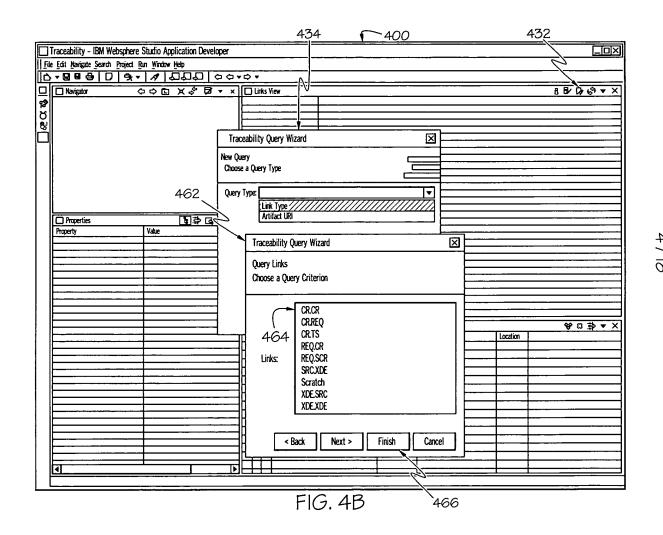


FIG. 3





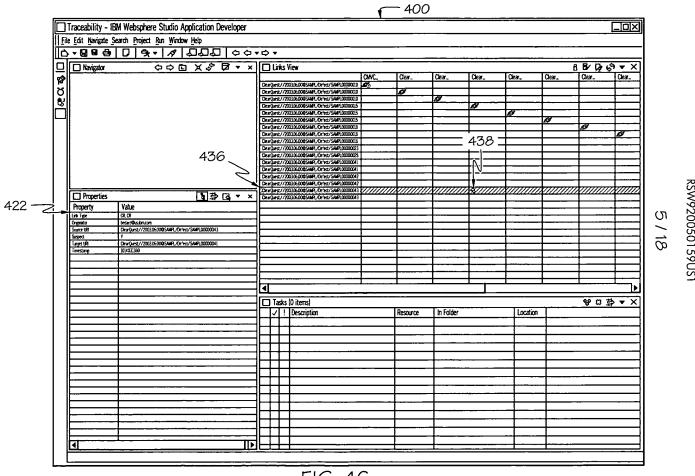


FIG. 4C

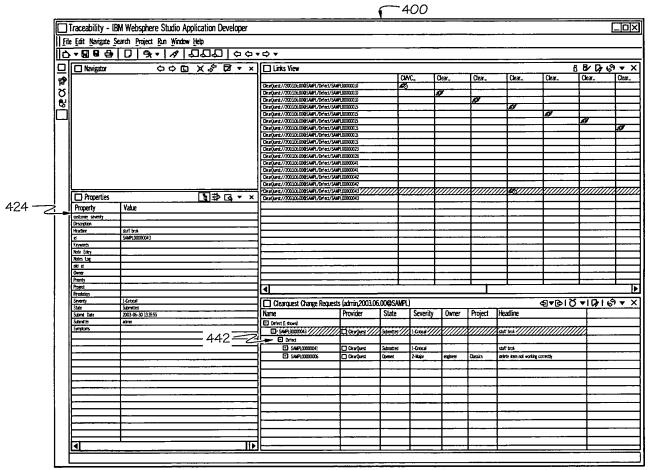


FIG. 4D

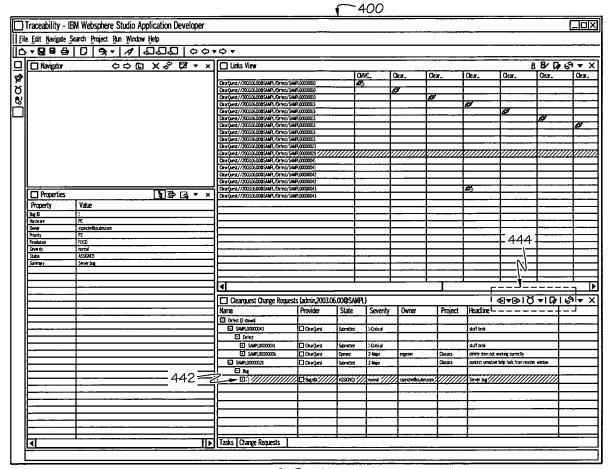


FIG. 4E

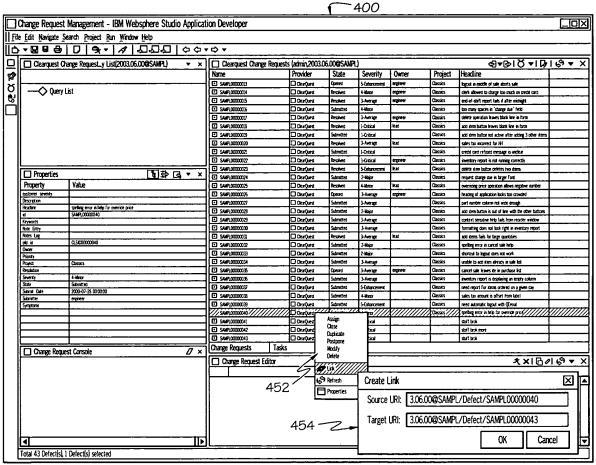
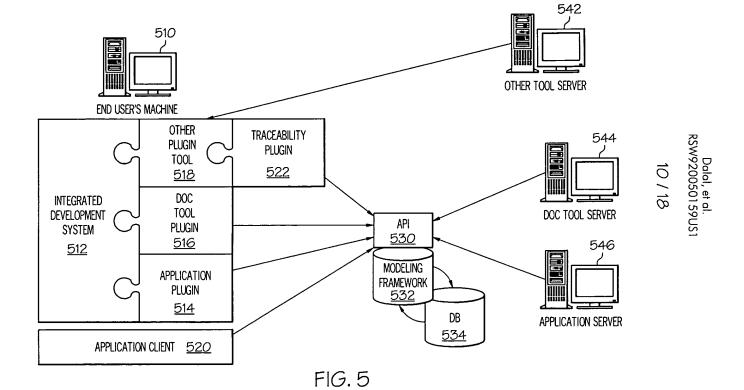


FIG. 4F

					•	$\frac{4}{}$	Ю0				
☐ Cha	Change Request Management - IBM Websphere Studio Application Developer										
File Fr	File Edit Navigate Search Project Rn Window Help										
	7 - 점 G G D 경 · 첫 전입진 수 수 - 수 -										
'		ge Request_y List(2003.06.00)		☐ Clearquest Change Requests (admin/2003.06.00 6 SAMPL)						ાઈ∀ X	
				Name	Provider	State	Severity	Owner	Project	Headline	
18					□ CharOuest	Resolved	3-Average	mpre	Chesies	delete operation leaves black line in form	
გ∥ :		t		☑ SAMPLOOCOUTS	☐ CharOurst	Resolved	1-Critical	Itad	Chesics	and dem button not active after adding 3 other design	I
8	Q 4, c	•			☐ Certura	Submitted	1-Cratical		Classics	sales tax incorrect for AH	
الآت				□ SWPL0000020 □	Clear Quest	Resolved	3-Average	lead	Classics	credit card refused message is unclear	
╜					Charter	Submitted	I-Ortical		Classics	inventory report is not running correctly	
- 11				☐ SAMPL00000022	☐ CharOund	Resolved	1-Ortical	engineer	Classics	criete stem button celetes two stems	
- 11					☐ ClearQuest	Resolved	5-Enhancement	lead	Classics	request charge due in larger Forst	
- 11				SAMPR.00000024 SAMPR.00000024 SAMPR.00000024 SAMPR.00000024 SAMPR.00000024 SAMPR.000000024 SAMPR.0000000024 SAMPR.0000000024 SAMPR.0000000024 SAMPR.0000000024 SAMPR.0000000024 SAMPR.0000000024 SAMPR.0000000024 SAMPR.0000000024 SAMPR.00000000024 SAMPR.00000000024 SAMPR.000000000000000000000000000000000000	☐ ClearQuest	Saturdad	2-Major		Classics	overriding price operation allows negative number	
- 11					ClearQuest	Resolved	4-Mircor	lead	Classics	heating of application looks too crowded	
H II				☑ SMPL00000%	☐ Clear Quest	Opened	3-Average	trzitte	Classics	part number column not wick enough	
⊫				☐ SAMPL0000027	☐ ClearQuest	Submitted	3-Average		Classics	and stem button is out of line with the other buttons	├──┤
110	7 Properties	•	3 ⇒ G ▼ ×	☐ SWPL0000029	☐ ClearQuest	Submitted	2-Maior		Classics	context structure help light from records window	
ll 🖟	roperty	Value		E) SAMPLO000029	☐ ClearQuest	Submatted	3-Average		Classics	formatting does not box night in inventory report	
- 1	tomer severity	Tauc		E3 SAMPL0000030	☐ ClearQuest	Submitted	3-Average		Classics	and stems lasts for large quantities	
	scription			② SAMPL0000033		Resolved		lead	Cassics		
		stuff brok			□ ClearQuest	Submitted	3-Average	R.SO	Classics	strigging error in cancel sale help	—— I
is		SAMP1.0000004)		■ SAMP(0000032	☐ ClearQuest		2-Major		Classics	shortcut to logout does not work	I
	reords	.,			☐ ClearQuest	Submitted	2-Major		Classics	unable to add item already in sale list	├──┤ I
	te Entry				☐ ClearQuest	Submitted	3-Average			cancel sale leaves de in purchase list	—— І
old	tes Log	<u> </u>		■ SAMPL00000035	☐ ClearQuest	Opened	3-Average	engineer	Cossics	help for login screen brings up wrong topic	— н
Own				SAMPL00000036 ■ SAMPL00000036 ■ SAMPL00000036 ■ SAMPL00000036 ■ SAMPL00000036 ■ SAMPL000000036 ■ SAMPL0000000036 ■ SAMPL0000000036 ■ SAMPL00000000036 ■ SAMPL00000000036 ■ SAMPL000000000000000000000000000000000000	☐ ClearQuest	Submitted	3-Average		Classics	inventory report is displaying an empty column	I
Prior				☑ SWP.0000037	□ ClearQuest	Submitted	5-Enhancement		Classics	need report for items probred on a given day	
Proy				■ SAMPL00000038	☐ ClearQuest	Submitted	4-Minor	<u> </u>	Classics	sales tax amount is offset from label	
	solution			■ SAMPL00000039	☐ CharQuest	Submitted	5-Erhancement		Chesics	need automatic loggest with (Kecust	
State		1-Critical Submitted		SAMF1,00000040	☐ ClearQuest	Submitted	4-Minor	<u> </u>	Classics	spelling error in help for overide price	
		2003-06-19 [623:24		□ Defect		L	L				
		action		☐ SAMPL00000043	☐ ClearQuest	Submatted	1-Critical			stuff brok	
Syer	mptoms			□ Defect			L				L
					ClearQuest ///	Submitted //	1-Critical			stuff brok	
┈			<u> —</u> 450 =		☐ ClearQuest	Opened	2-Major	agnea	Classics	delete item not working correctly	і
- ⊩				■ SAMPL0000004)	☐ CtrarQuest	Submitted	1-Critical			stuff brok	
l⊢				■ SAMPL00000042	□ CkarQuest	Submetted	1-Critical			stuff brok more	L ▼
l⊫	Change Request	Camala	// x	Change Requests T	asks						
ᄣ	T mauße uechezi	CORSOR		☐ Change Request Editor						★×IBa	ા હ [ે] ▼ X
				Charge vertress cours						-(\)100	16
li li											
											1 1
li li											1 1
											1
											ł I
l II				l							j
- 11											
•			I								▼
Tota	Total 43 Defect(s), 1 Defect(s) selected										

FIG. 4G



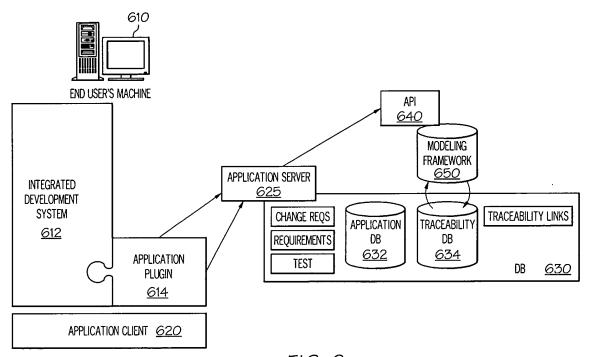


FIG. 6

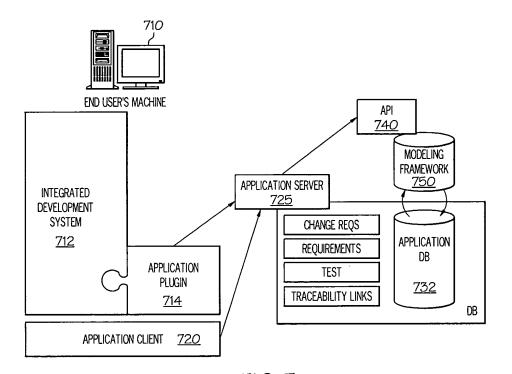


FIG. 7

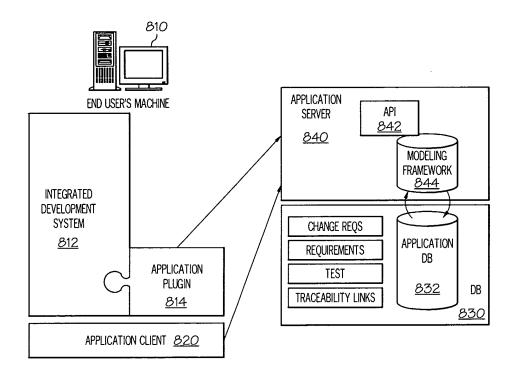


FIG. 8

ArtifactURI Table - 910

Field	Description
Unique identifier for the traceability link	Unique identifier for the artifact
URI/UREF	String reference used by consumers to resolve the artifact

TraceabilityLinkType Table \sim 920

Field	Description
ID	Unique identifier for the traceability link type
TraceabilityLinkType	String that describes the type of traceability link

FIG. 9

TraceabilityLinks Table -930

Field	Description		
ID	Unique identifier for the traceability link		
SourceID	Unique identifier for the source of the relationship		
TargetID	Unique identifier for the target of the relationship		
TraceabilityLinkTypelD	Identifier of the type of relationship, e.g., change request to code		
Originator	The identifier of the person or tool that created the traceability link		
TimeStamp	When the traceability link was established		
Suspect	Boolean flag that indicates if the integrity of either end of the link is no longer accurate		
ExtensionReference	Reference to an extended element that the originator may provide that may resolve to additional information about the traceability link		
Valid	Indicates if the relationship expressed by the link is valid		

Example Traceability Information — 1000

ID	From	То	What\Who\When	Suspect/Valid
6785	Requirement 175	Source foo.java version 4	Req_to_Src/Mark/2 Sep 02	N/N
6786	Requirement 175	Change Request DEF0004	Req_to_CR/Claudia/31 Mar 02	N/N
6787	Change Request DEF0004	Requirement 175	CR_to_Req/Claudia/31 Mar 02	N/N
6788	Change Request DEF0004	Test Script T008	CR_to_TS/Kevin/22 Feb 02	N/N
6789	Source bar.java	XDE class GUID 108756	6785Scr_to_XDE/Tim/4 Jan 03	N/N
6790	XDE class GUID 108756	Source bar.java	XDE_to_SRC/Tim/4 Jan 03	N/N
6791	XDE UC GUID 409875	XDE UC RLZ GUID 409832	XDE_to_XDE/Hugh/8 Mar 02	Y/N
6792				

FIG. 10

TraceabilityLinks Table — 1110

Traceasint) Ellino Table								
ID	Source ID	Target ID	Traceability TypeID	Originator	TimeStamp	Suspect	Extension URI	Valid
6785	Α	F	1	weitzelm@us.***.com	20020902143103	N		Υ
6786	Α	В	2	cjdent@us.***.com	20020331184558	N		Υ
6787	В	Α	3	cjdent@us.***.com	20020331184601	N		Υ
6788	В	G	4	kekelly@us.***.com	20020222080447	N		Υ
6789	С	D	5	bedard@us.***.com	20030104102037	N		Υ
6790	D	С	6	bedard@us.***.com	20030104102115	N		Υ
6791	Ε	Н	7	scandret@us.***.com	20020308094001	Υ		Υ
	1 -	1 * *						

ArtifactURI Table ~1120								
ID	Artifact URI/UREF							
A	itreg://websphereIteam/requirements/runtime/ejbcontainer/175							
В	itcr://websphereIteam/changerequests/runtime/ejbcontainer/DEF0004							
С	cc://websphereClearCase/source/runtime/ejbcontainer/bar.java							
D	xde://websphereEjbContainerModel/class/108756							
Ε	xde://websphereEjbContainerModel/usecase/409875							
F	cc://websphereClearCase/source/runtime/ejbcontainer/foo.java#4							
G	itts://websphereIteam/testScripts/runtime/ejbcontainer/T0008							
Н	xde://websphereEjbContainerModel/usecase/realization/409832							

	TraceabilityLinkType Table —1130							
-	ID	Traceability Type	Traceability Type Description					
İ	1	REQ.SRC	Requirement to source					
	2	REQ.CR	Requirement to change request					
	3	CRREQ	Change request to requirement					
	4	CR.TS	Change request to test script					
	5	SRC.XDE	Source to XDE modeling script					
	6	XDESRC	XDE modeling element to source					
	7	XDEXDE	One XDE modeling element to another					

FIG. 11

17 / 18

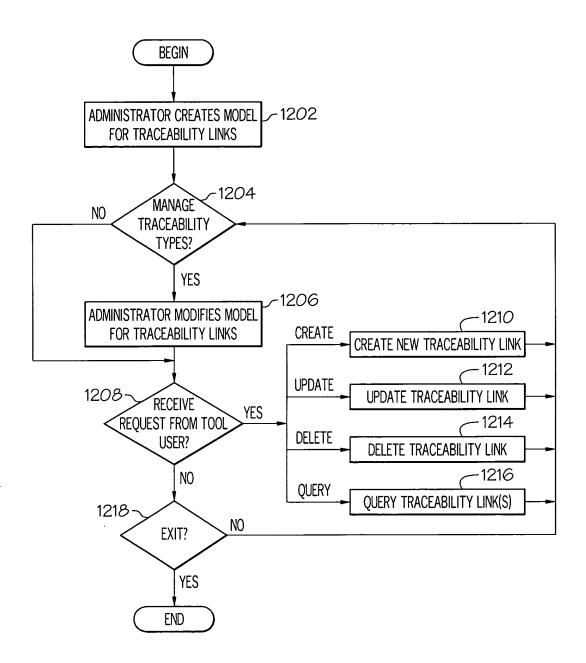


FIG. 12

18 / 18

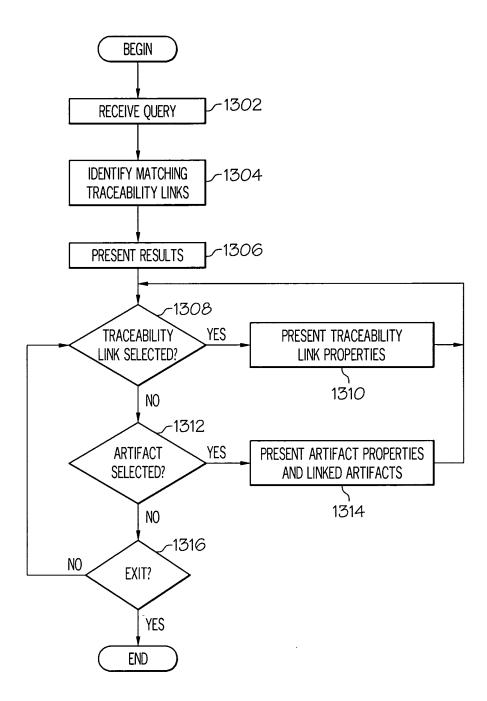


FIG. 13