



US 20070094609A1

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2007/0094609 A1**
(43) **Pub. Date:** **Apr. 26, 2007**
Gilboa et al.(54) **EXECUTABLE AND DECLARATIVE
SPECIFICATION FOR GRAPHICAL USER
INTERFACES****Related U.S. Application Data**(60) Provisional application No. 60/722,888, filed on Sep.
30, 2005.**Publication Classification**(51) **Int. Cl.**
G06F 3/00 (2006.01)
G06F 7/00 (2006.01)
G06F 9/44 (2006.01)
(52) **U.S. Cl.** **715/762; 707/102; 717/104**(57) **ABSTRACT**

Techniques for decoupling models created during design-time from the runtime environment. A declarative and executable representation for GUIs for applications is provided that is independent of any particular runtime platform, GUI framework, device, or programming language and which acts as an interface between the design environment and the runtime environment.

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(73) Assignee: **SAP Portals Israel Ltd.**, Ra'anana (IL)(21) Appl. No.: **11/324,155**(22) Filed: **Dec. 29, 2005****EXAMPLE #1: BANKING APPLICATION GUI (FOR DHTML RUNTIME PLATFORM)**

Search Form <input type="button" value="Search"/> <input type="button" value="Clear"/> <input type="text" value="Bank Ctry: US"/> <input type="text" value="Max Rows: 10"/> <input type="button" value="Submit"/>				Bank Address <input type="text" value="Pobk Curac:"/> <input type="text" value="Bank No: 123445678"/> <input type="text" value="Addr No:"/> <input type="text" value="Bank Branch: Main Branch"/> <input type="text" value="Bank Group:"/> <input type="text" value="Bank Name: Chase Manhattan Ba"/> <input type="text" value="City: New York City"/> <input type="text" value="Region: NY"/> <input type="text" value="Street: Main Street"/> <input type="text" value="Swift Code: ABCD3891"/> <input type="text" value="Post Bank:"/>																																							
Banks List <input type="button" value="Add"/> <input type="button" value="Delete"/> <table border="1"> <thead> <tr> <th>BANK_CTRY</th> <th>BANK_KEY</th> <th>BANK_NAME</th> <th>CITY</th> </tr> </thead> <tbody> <tr> <td>US</td> <td>083000108</td> <td>First Union Bank & Trust</td> <td>Chicago</td> </tr> <tr> <td>US</td> <td>123123123</td> <td>Citibank</td> <td>New York</td> </tr> <tr> <td>US</td> <td>123445678</td> <td>Chase Manhattan Bank</td> <td>New York City</td> </tr> <tr> <td>US</td> <td>12345678</td> <td>Commerce Bank</td> <td>Philadelphia</td> </tr> <tr> <td>US</td> <td>123456780</td> <td>PNC</td> <td>Marlton</td> </tr> <tr> <td>US</td> <td>123456784</td> <td>Chase Manahattan</td> <td>New York</td> </tr> <tr> <td>US</td> <td>123456788</td> <td>Mellon Bank</td> <td>Philadelphia</td> </tr> <tr> <td>US</td> <td>123456789</td> <td>Fidelity Bank</td> <td>Los Angeles</td> </tr> </tbody> </table> <input type="button" value="Previous"/> <input type="button" value="Next"/> <input type="button" value="First"/> <input type="button" value="Last"/> 1/2				BANK_CTRY	BANK_KEY	BANK_NAME	CITY	US	083000108	First Union Bank & Trust	Chicago	US	123123123	Citibank	New York	US	123445678	Chase Manhattan Bank	New York City	US	12345678	Commerce Bank	Philadelphia	US	123456780	PNC	Marlton	US	123456784	Chase Manahattan	New York	US	123456788	Mellon Bank	Philadelphia	US	123456789	Fidelity Bank	Los Angeles				
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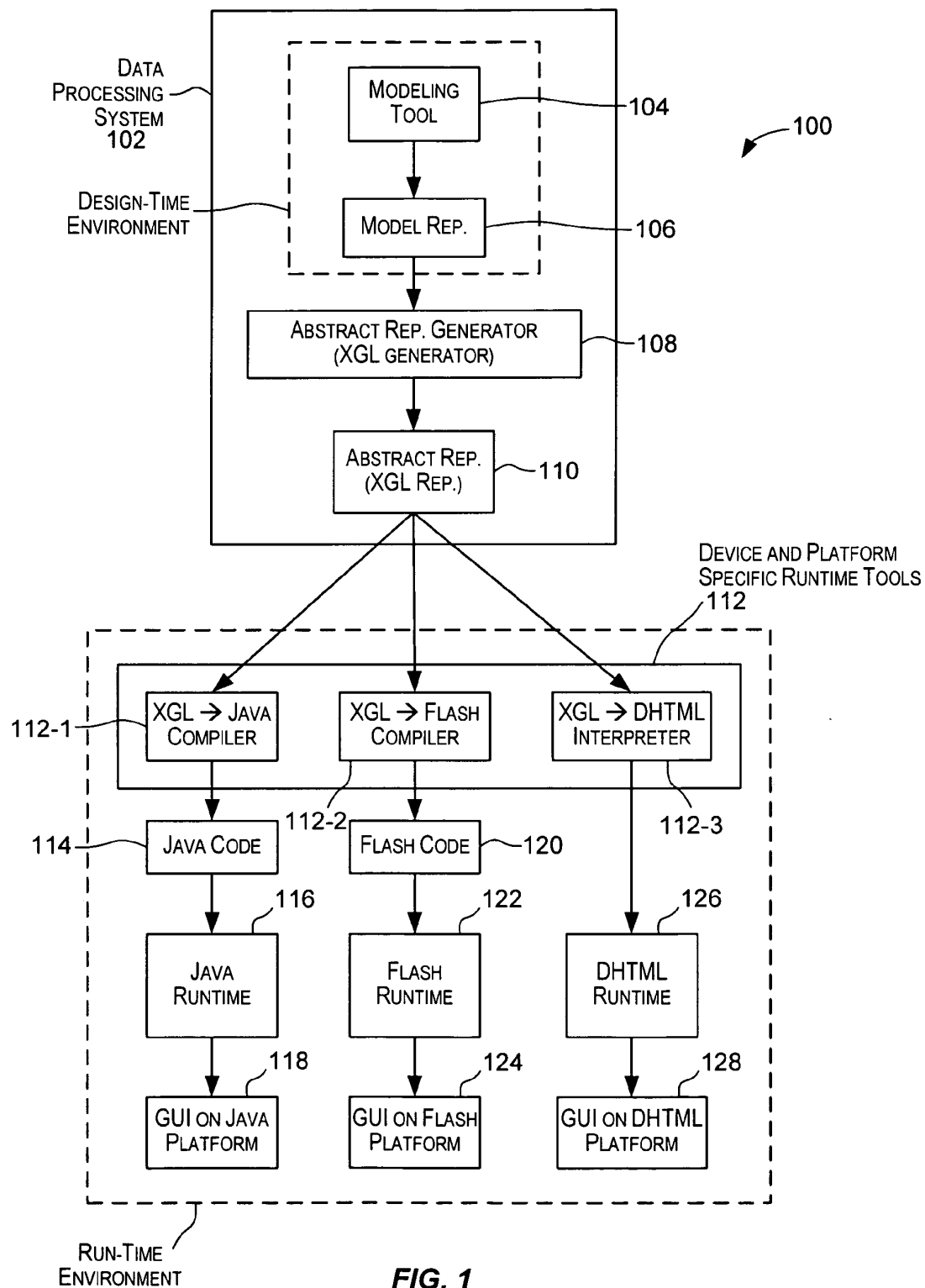


FIG. 1

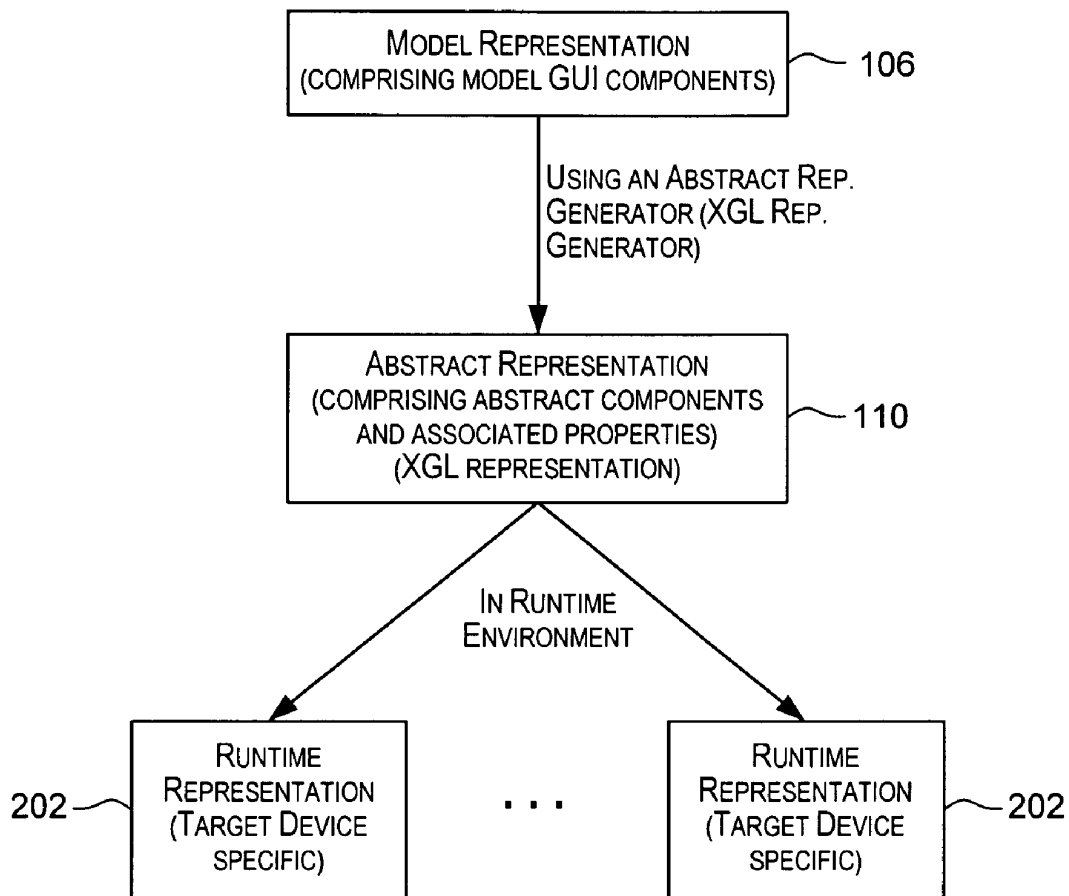


FIG. 2

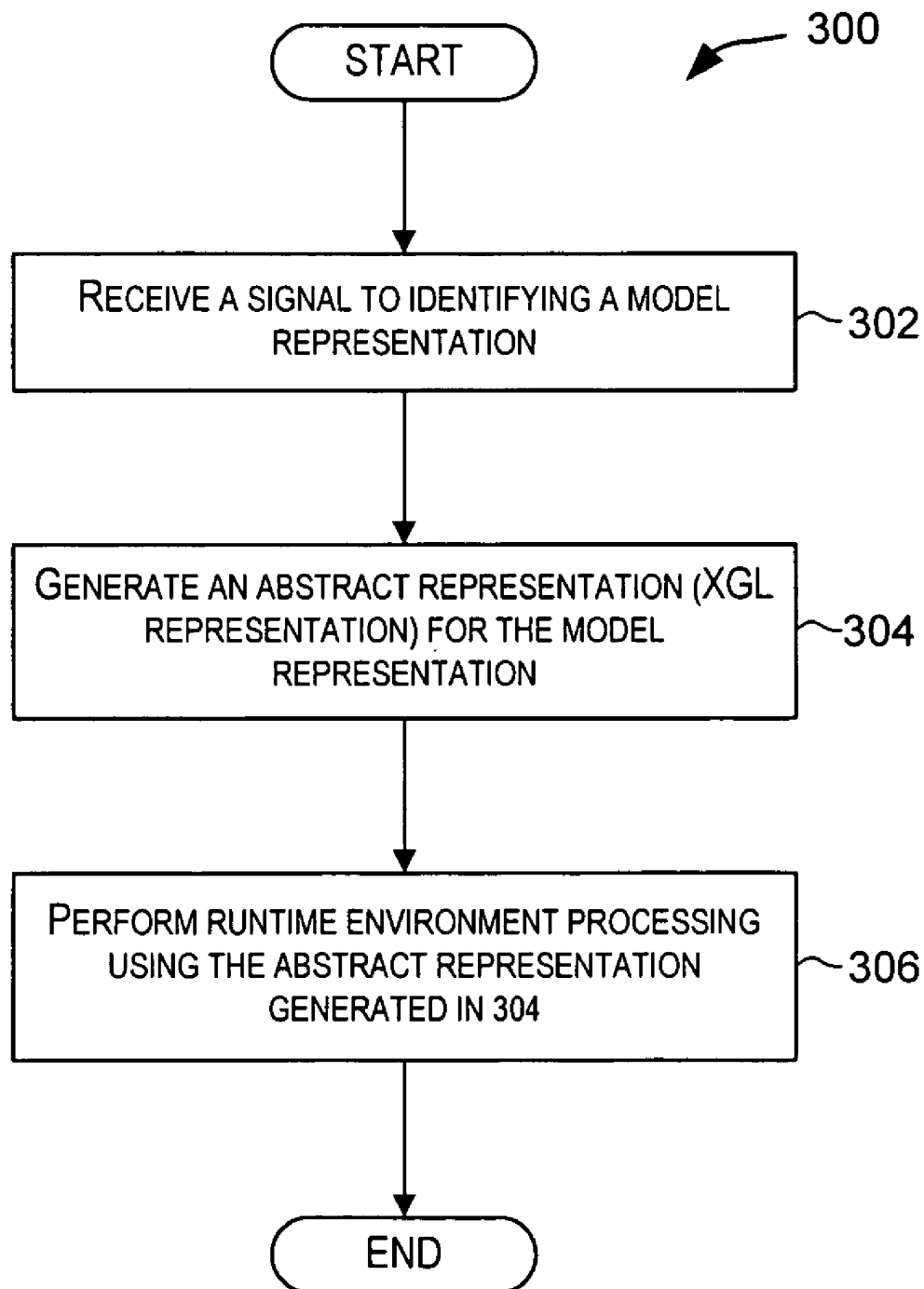


FIG. 3

EXAMPLE #1: BANKING APPLICATION GUI

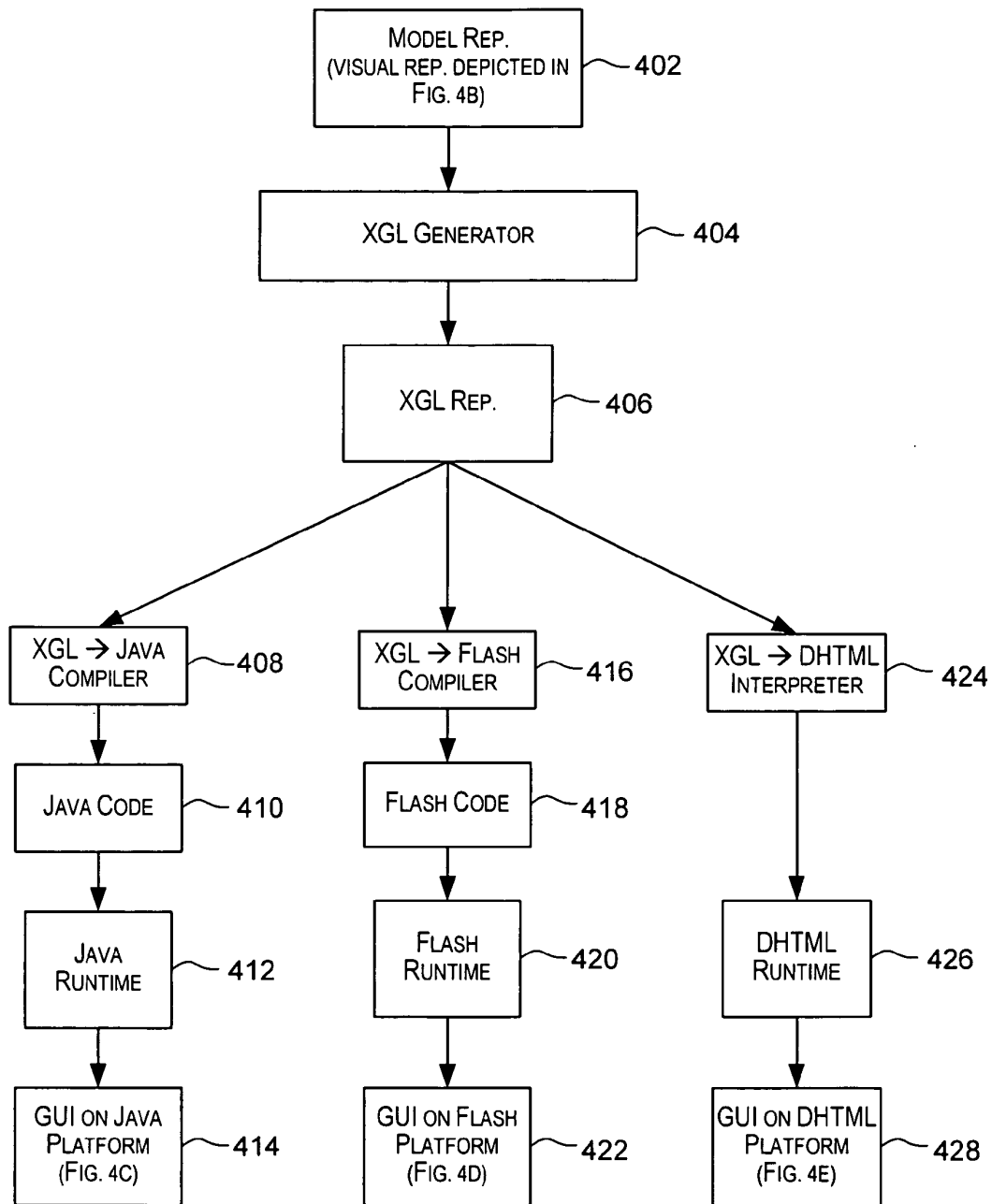


FIG. 4A



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