



US 20090196497A1

(19) **United States**

(12) **Patent Application Publication**
Pankratius

(10) **Pub. No.: US 2009/0196497 A1**

(43) **Pub. Date: Aug. 6, 2009**

(54) **METHOD FOR ANALYZING AND/OR TESTING AT LEAST ONE USER INTERFACE, DATA PROCESSING DEVICE AND COMPUTER PROGRAM PRODUCT**

Publication Classification

(51) **Int. Cl.**
G06K 9/00 (2006.01)
G06F 17/00 (2006.01)
(52) **U.S. CL** **382/165; 717/131; 382/169**

(75) **Inventor:** **Viktor Pankratius, Ludwigshafen (DE)**

(57) **ABSTRACT**

Correspondence Address:
SCHWEGMAN, LUNDBERG & WOESSNER, P.A.
P.O. BOX 2938
MINNEAPOLIS, MN 55402 (US)

In summary, the present invention relates to a method for analyzing and/or testing at least one user interface, comprising the steps of:

transmitting an address of at least one user interface, in particular a web-based user interface, and/or a source code together with the associated graphical elements of at least one user interface, in particular a web-based user interface, to an evaluation apparatus (10);

transmitting the address of the at least one user interface and/or the source code together with the associated graphical elements of the at least one user interface to at least two differently configured presentation apparatuses (12, 14);

generating at least one pixel image of the user interface on each presentation apparatus (12, 14);

transmitting each generated pixel image to the evaluation apparatus (10);

automatically determining and/or representing at least one difference between the generated pixel images of the at least one user interface.

(73) **Assignee:** **Universitat Karlsruhe (TH), Karlsruhe (DE)**

(21) **Appl. No.:** **12/322,515**

(22) **Filed:** **Feb. 3, 2009**

(30) **Foreign Application Priority Data**

Aug. 3, 2006 (DE) 1020060363043

