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Kocienda et al.

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(54) **METHOD, SYSTEM, AND GRAPHICAL USER INTERFACE FOR PROVIDING WORD RECOMMENDATIONS**

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(58) **Field of Classification Search** 715/200, 715/230, 231, 255, 261, 263, 268, 271
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,305,205	A	4/1994	Weber et al.	364/419.1
5,736,974	A	4/1998	Selker	345/146
5,748,512	A	5/1998	Vargas	364/709.12
5,818,451	A	10/1998	Bertram et al.	345/354
5,896,321	A	4/1999	Miller et al.	365/189.01
6,040,824	A	3/2000	Maekawa et al.	345/173
6,073,036	A	6/2000	Heikkinen et al.	455/575
6,169,538	B1	1/2001	Nowlan et al.	345/168
6,259,436	B1	7/2001	Moon et al.	345/173
6,271,835	B1	8/2001	Hoeksma	345/168
6,307,548	B1	10/2001	Flinchem et al.	345/352
6,469,722	B1	10/2002	Kinoe et al.	345/837
6,597,345	B2	7/2003	Hirshberg	345/168
6,714,221	B1	3/2004	Christie et al.	345/784
6,795,059	B2	9/2004	Endo	345/173
6,803,905	B1	10/2004	Capps et al.	345/173
6,857,800	B2	2/2005	Zhang et al.	400/473
7,038,659	B2	5/2006	Rajkowski	345/156

(Continued)

FOREIGN PATENT DOCUMENTS

WO WO 98/33111 7/1998

(Continued)

OTHER PUBLICATIONS

Office Action dated Nov. 20, 2009, received in U.S. Appl. No. 11/620,641 (related).

(Continued)

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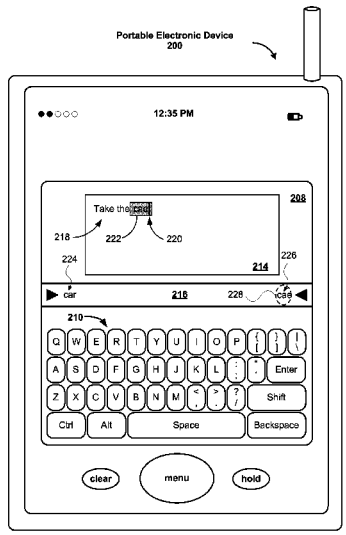
(57) **ABSTRACT**

One aspect of the invention involves a method that includes: in a first area of the touch screen, displaying a current character string being input by a user with the keyboard; in a second area of the touch screen, displaying the current character string or a portion thereof and a suggested replacement for the current character string; replacing the current character string in the first area with the suggested replacement if the user activates a delimiter key on the keyboard; replacing the current character string in the first area with the suggested replacement if the user performs a first gesture on the suggested replacement displayed in the second area; and keeping the current character string in the first area if the user performs a second gesture on the current character string or the portion thereof displayed in the second area.

38 Claims, 14 Drawing Sheets