

# EXHIBIT B



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(12) **United States Patent Parikh**

(10) **Patent No.: US 8,311,805 B2**  
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(54) **AUTOMATIC DYNAMIC CONTEXTUAL DATA ENTRY COMPLETION SYSTEM**

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1245 days.

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(21) Appl. No.: **11/422,939**

(22) Filed: **Jun. 8, 2006**

(65) **Prior Publication Data**

US 2006/0217953 A1 Sep. 28, 2006

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 11/040,470, filed on Jan. 21, 2005.

(51) **Int. Cl.**

**G06F 17/27** (2006.01)  
**G06F 17/20** (2006.01)  
**G06F 15/00** (2006.01)

(52) **U.S. Cl.** ..... **704/9**; 704/1; 704/10

(58) **Field of Classification Search** ..... 715/256, 715/261, 271; 707/737

See application file for complete search history.

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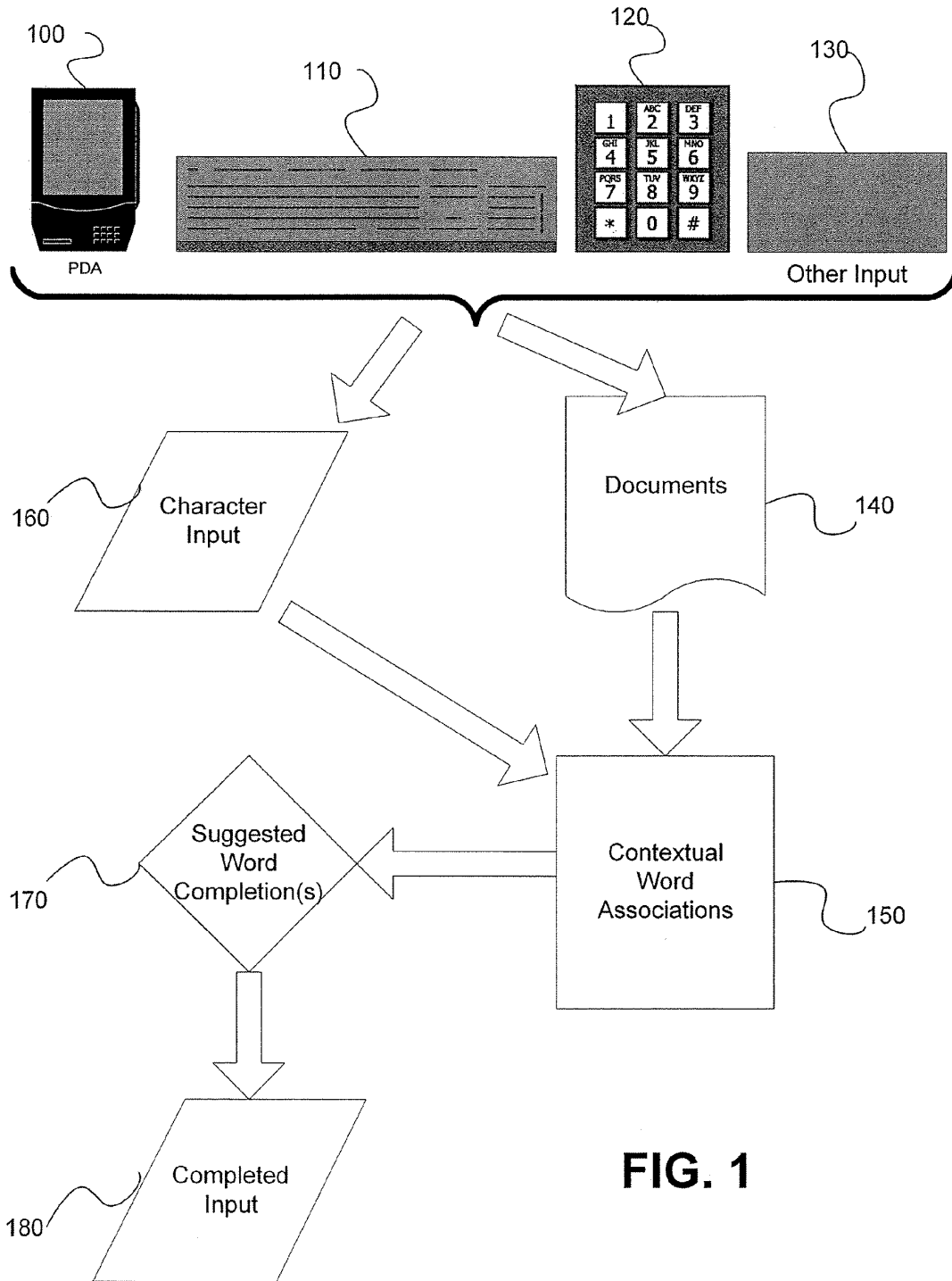
(57) **ABSTRACT**

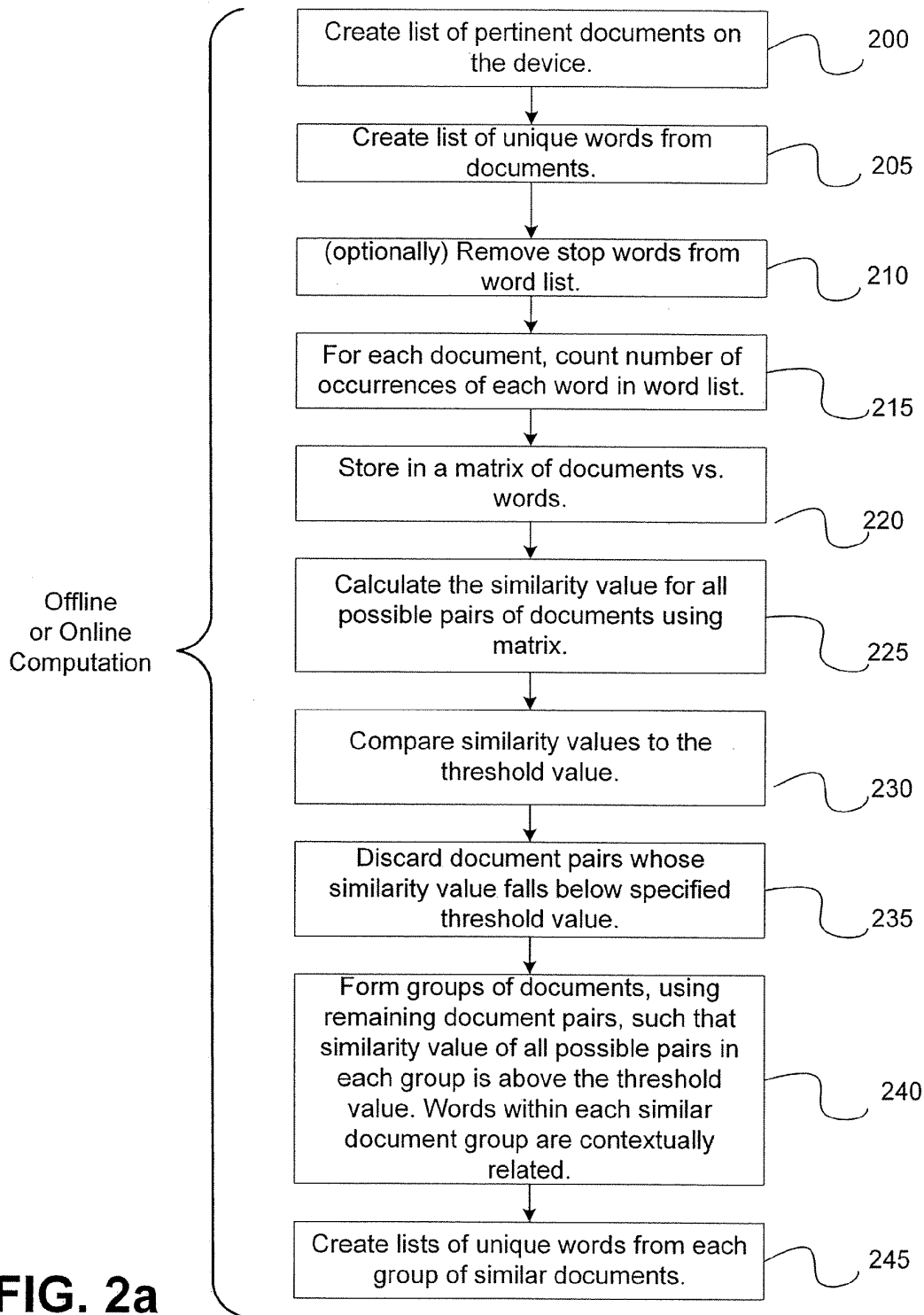
A method, performed in a character entry system, for inter-relating character strings so that an incomplete input character string can be completed by selection of a presented character string involves computing relationship scores for individual character strings in the system from documents present in the character entry system, in response to inputting of a string of individual characters that exceeds a specified threshold, identifying at least one selectable character string from among contextual associations that can complete the input character string in context based upon an overall ranking score computed as a function of at least two other scores, and providing the identified at least one selectable character string to a user for selection.

**15 Claims, 6 Drawing Sheets**

Matrix

		504	506	508	510	512	514	516
500	Finance	Summary	Sugar	Two	One	Chapter	Chili	Spoon
502	Finance	12	1	2	3	5	0	0
	Summary		0	3	6	10	0	0
	Sugar			7	9	0	3	14
	Two				3	5	8	11
	One					6	8	19
	Chapter						0	0
	Chili							2
	Spoon							





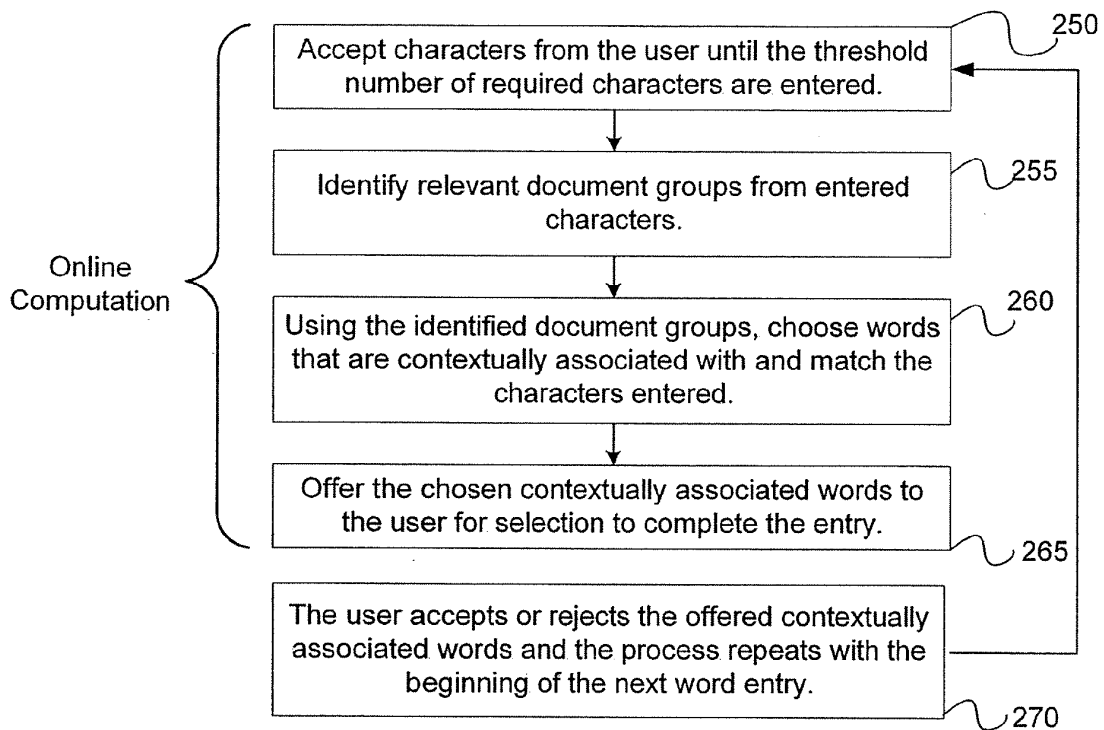


FIG. 2b

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