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Suominen

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(54) **MESSAGE RECOGNITION USING SHARED LANGUAGE MODEL**

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(58) **Field of Classification Search** 382/187, 382/124; 704/270, 256, 235, 257, 270.1; 379/56.1; 455/550.1; 318/568.11
See application file for complete search history.

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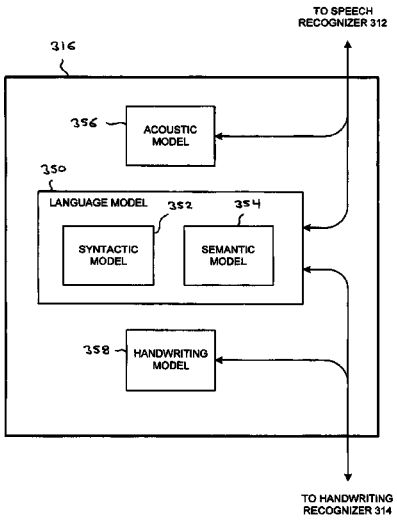
(57) **ABSTRACT**

A system is disclosed for generating text responsive to both voice and handwriting input, including a microphone, stylus, and a tablet having an flat-panel display integrated into its surface. The system performs speech and handwriting recognition using a shared language model, which in one embodiment is trainable responsive to user correction of errors in either speech or handwriting recognition. Various other systems and methods are also disclosed.

20 Claims, 17 Drawing Sheets