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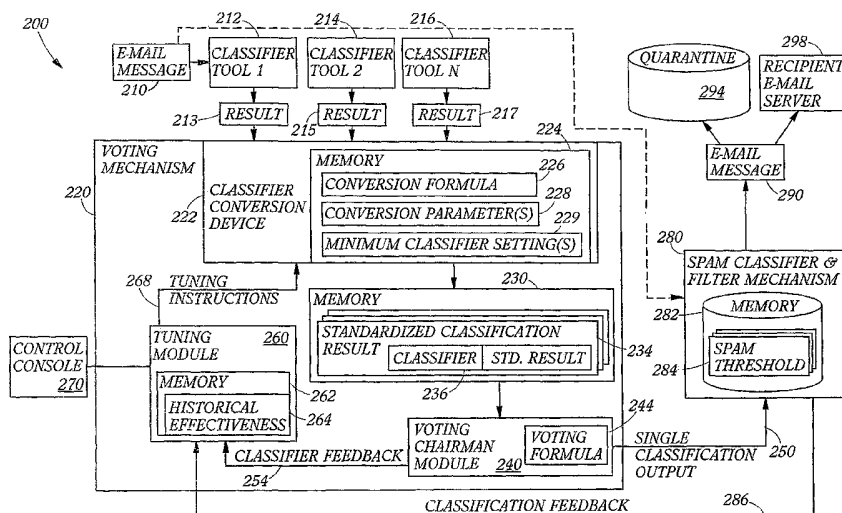
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FUZZY LOGIC VOTING METHOD AND SYSTEM FOR CLASSIFYING E-MAIL USING INPUTS FROM MULTIPLE SPAM CLASSIFIERS



(57) Abstract: A method, and corresponding system, for identifying e-mail messages as being unwanted junk or spam (200). The method includes converting the outputs of a set of e-mail classification tools into a standardized format, such as a probability having a value between zero and one. The standardized outputs of the classification tools are then input to a voting mechanism (220) which uses a voting algorithm based on fuzzy logic to combine the standardized outputs into a single classification result. The use of a fuzzy logic algorithm creates a more useful result as the classifier results are not merely averaged. In one embodiment, the single classification result is itself a probability that is provided to a spam classifier or comparator that functions to compare the single classification result to a spam threshold value and based on the comparison to classify the e-mail message as spam or not spam.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: **G06F 15/16**(2006.01)

USPC: 709/207

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 709/207

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, E	US 6,868,498 B1 (KATSIKAS) 15 March 2005 (15.03.2005), abstract.	1-20
A	US 6,493,007 B1 (Pang) 10 December 2002 (10.12.2002), Abstract.	1-20

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☐ See patent family annex.

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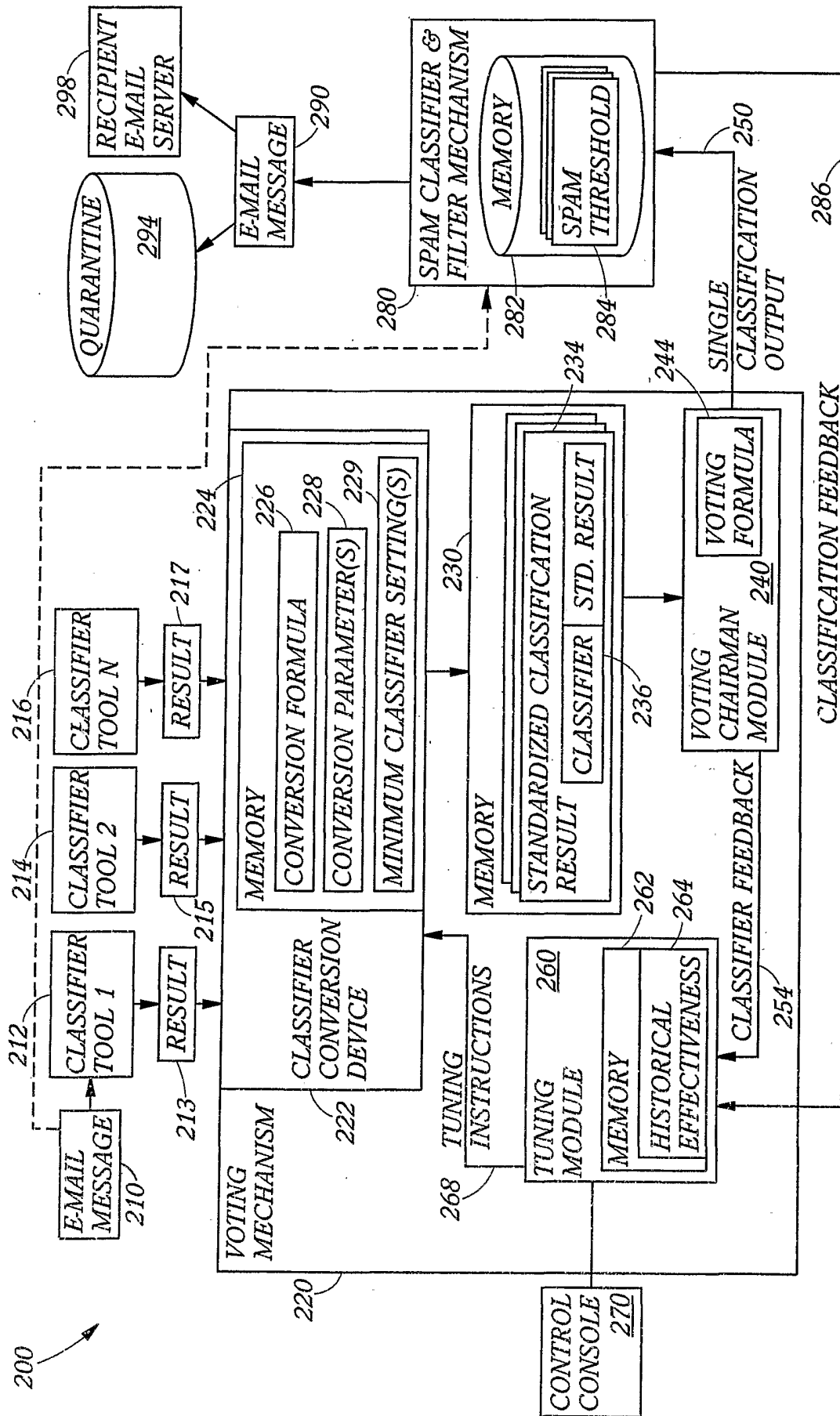


FIG. 2