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(12) **United States Patent**  
**Enenkiel**(10) **Patent No.:** **US 8,548,939 B2**  
(45) **Date of Patent:** **Oct. 1, 2013**(54) **METHODS, SYSTEMS AND COMPUTER PROGRAMS FOR PROCESSING DATA IN A WORLD-WIDE-WEB SERVICE ENVIRONMENT**(75) Inventor: **Achim Enenkiel**, Karlsruhe (DE)(73) Assignee: **SAP AG**, Walldorf (DE)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 642 days.

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(74) *Attorney, Agent, or Firm* — Finnegan, Henderson, Farabow, Garrett & Dunner, LLP(57) **ABSTRACT**

Methods, systems and computer programs are provided for processing data in a web service environment. In accordance with one embodiment, a data processing method is provided that comprises: entering data values into respective data entry fields of an electronic data entry form of a first computer; entering an identifier of a web service into the first computer; initiating a data processing stage to be performed by a second computer on the basis of the data values entered into the electronic data entry form by the first computer; sending signalling data for signalling initiation of the data processing stage to a web service; and sending a result of the data processing stage to a third computer, the third computer being coupled to the web service.

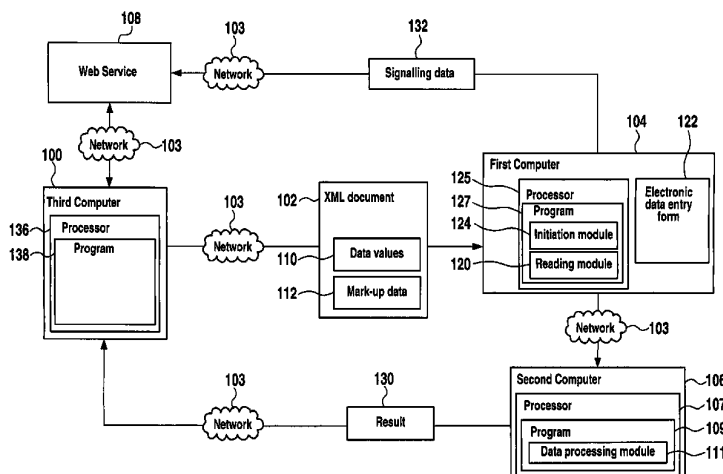
**29 Claims, 5 Drawing Sheets**(30) **Foreign Application Priority Data**

Apr. 21, 2004 (EP) ..... 04009396

(51) **Int. Cl.**  
**G06F 17/30** (2006.01)(52) **U.S. Cl.**  
USPC ..... 707/607; 707/703; 705/77; 705/78(58) **Field of Classification Search**  
None  
See application file for complete search history.(56) **References Cited**

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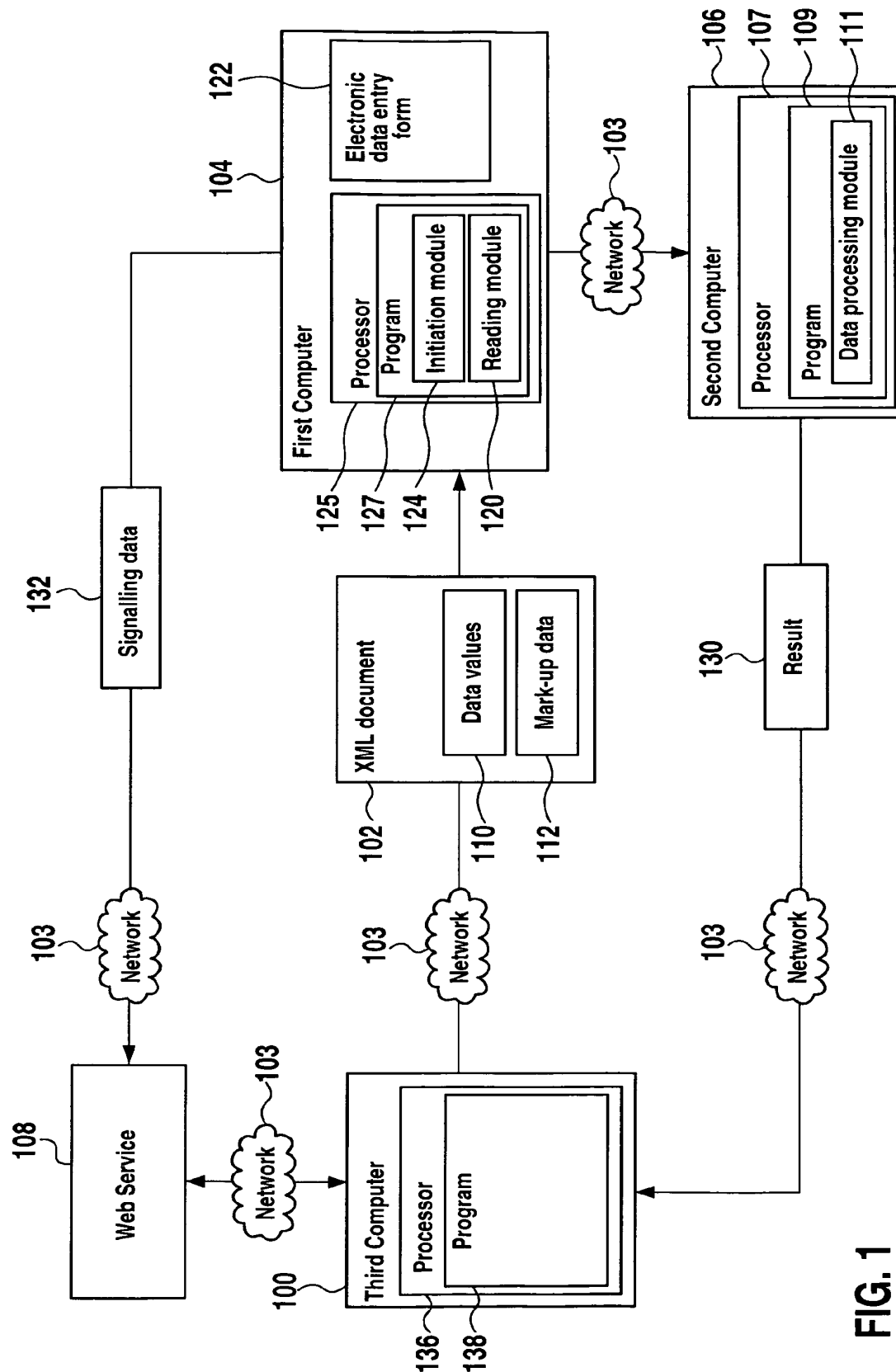


FIG. 1

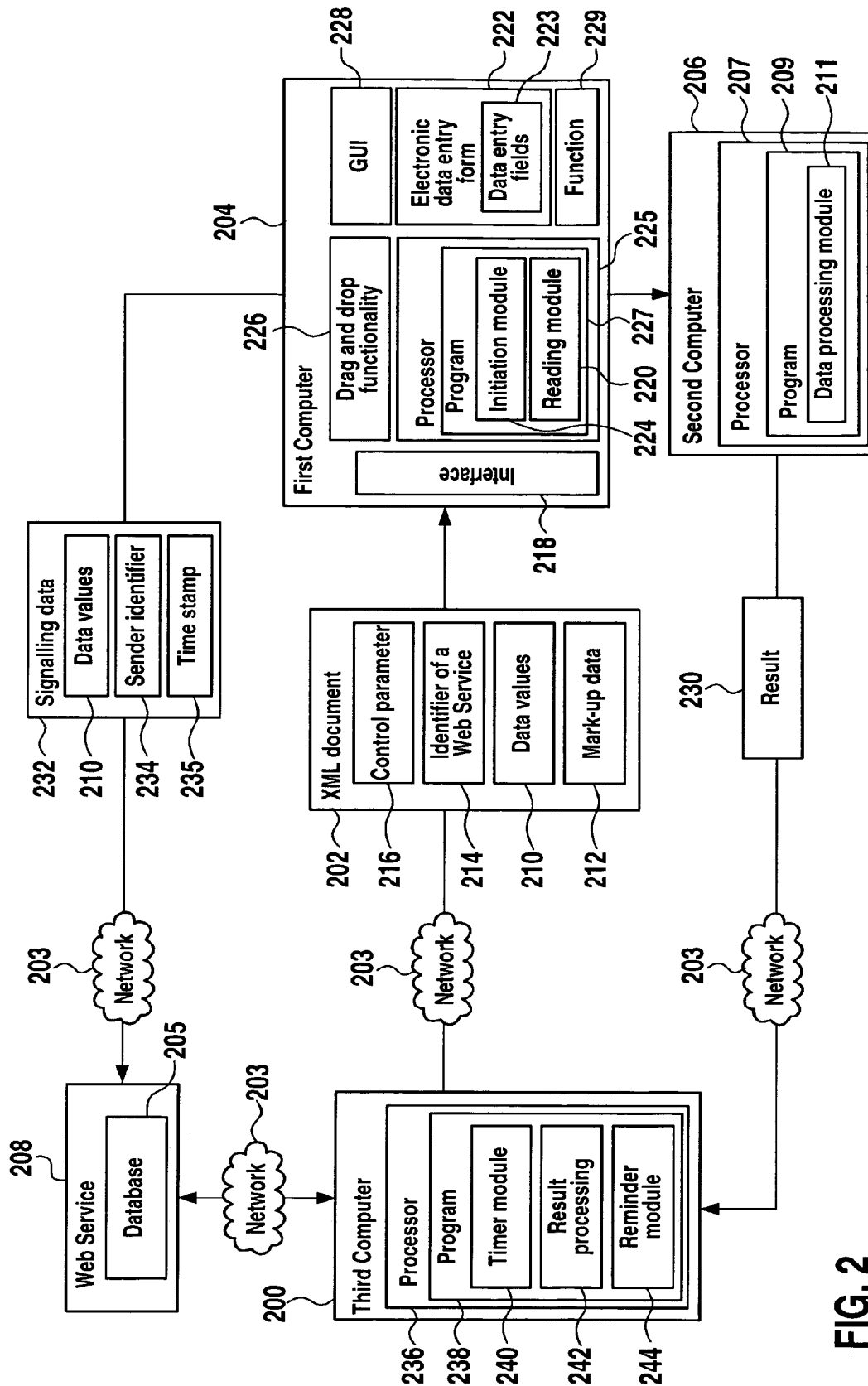


FIG. 2

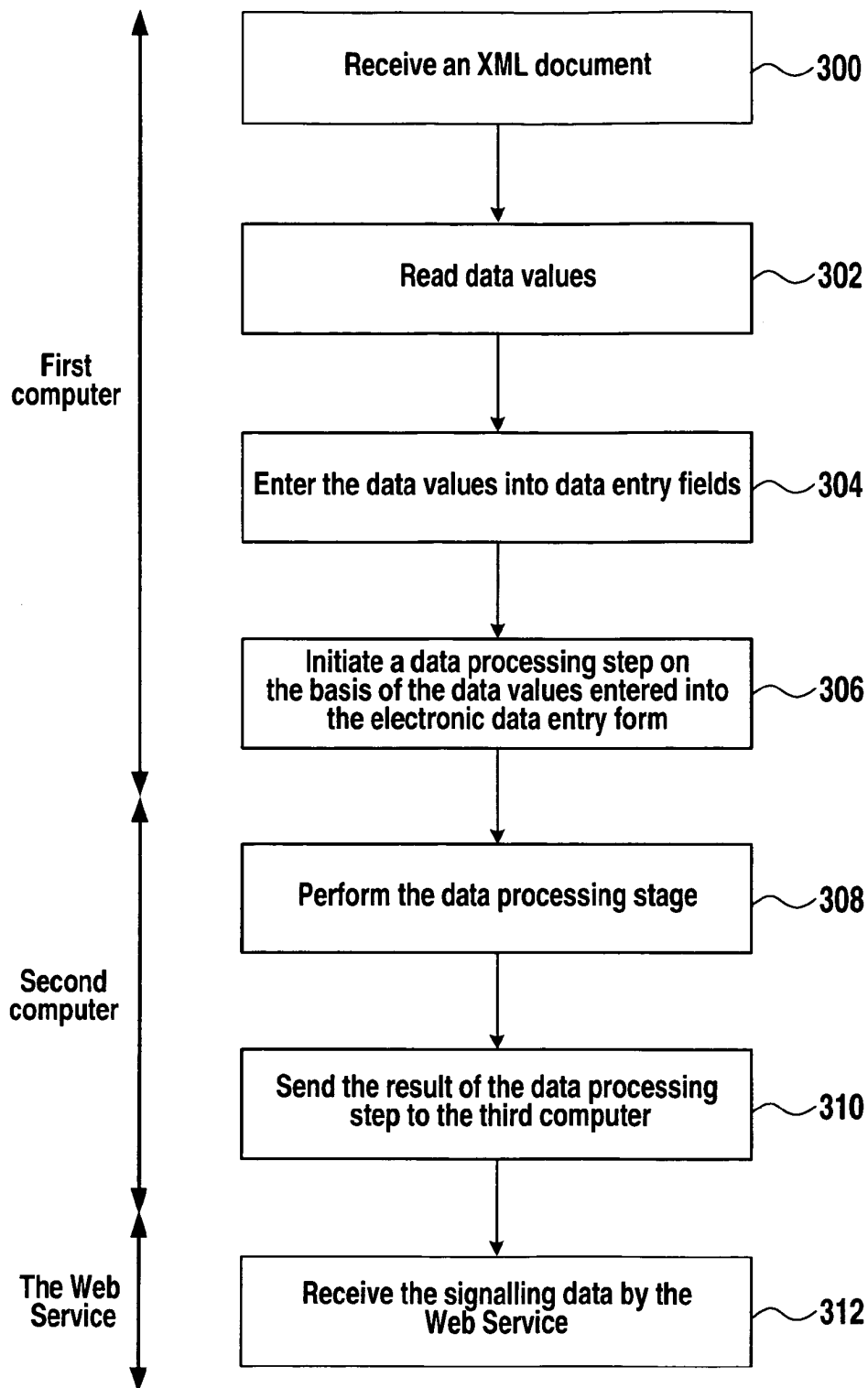


FIG. 3

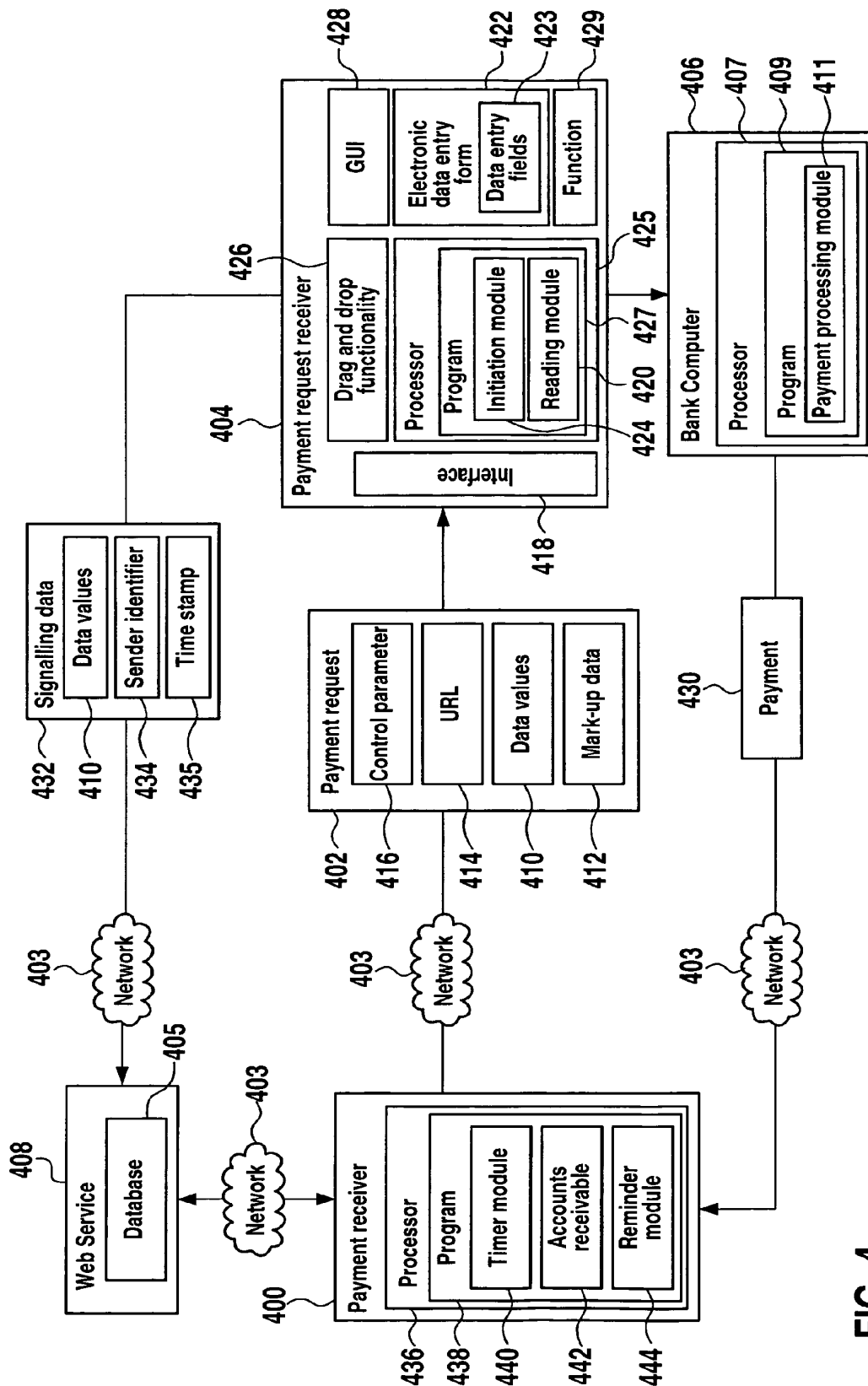


FIG. 4

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