

ENHANCED DATA MANAGEMENT SYSTEMS

Xerox Corporation & Palo Alto Research Center Incorporated

Initial Bidding Guidance: High 6 Figures

This portfolio provides key advantages in the fields of data analysis, database management, and recommender systems, especially those with a focus on cloud-based computing and social networks:

1. Analyzing and subsequently extracting key information from digital audio via recognition and analysis of the genre structure rather than content. [6,249,765]
2. Techniques for receiving, analyzing, and managing data obtained from a variety of source documents. The system automatically extracts key information and presents the data in predetermined formats. The system can operate independently of a user and reduces the need to recognize and parse each document in its entirety, thereby reducing errors and computational expense. [6,342,901 & 6,651,218]
3. A computationally efficient visualization of hierarchical data structures. Particularly useful in fields or industries which have large data sets, such as social networking or eCommerce, as the visualization is able to be viewed in a predefined constrained display area, thus mitigating common visualization problems associated with panning, scrolling, and scaling. [7,627,599]
4. Diagnostic and customer-service systems that offer a shared virtual representation of the machine and the troubleshooting needs and actions; this method allows for remote interactions between a machine user and a troubleshooting advisor which enhances the troubleshooter's understanding of the problem and further aids the discovery of a solution. [7,715,037]
5. A solution combining a variable print system and a social network. The system automatically monitors social networking sites, detects an event, and generates variable data prints based on the topical content and timing of the event and on user data captured from the social networking sites. This allows for one-to-one marketing and personalized communications, which would be useful to communications companies, by leveraging the personal information extracted from a user's social networking profile. [8,396,813]
6. Systems and methods for providing a digital orientation guide into digital information, identifying relevant and valid data through a topical indexing system that reflects the knowledge of communities of experts with assistance of machine learning. This system allows a user to become more efficiently oriented to a new subject area. [8,671,104 & 8,706,678]

Forward Citing Companies: Accenture, Acer, Aetherpal, Alcatel-lucent, Apple, AT&T, Atigeo, Avaya, Canon, Citrix Systems, Cognex, Comcast, Compass, Easyweb Innovations LLC, Eat. tv, Facebook, Fortemedia, Freescale Semiconductor, Fujifilm, Google, Hewlett-Packard, IBM, Intel, Intellectual Ventures, International Game Technology, Konica Minolta, Lenovo Group, LG Electronics, Logitech International, Microsoft, Mitel Networks, Multimodal Technologies, Nuance Communications, Oracle, Panasonic, PNC Financial, Product Discovery, Qualcomm, Ricoh, Rovi, Samsung Electronics, Siemens, Softbank, Sony, Square Enix, Whirlpool

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Representative Claim: US 6,249,765 – Claim #1

A method for manipulating and managing information in a digitized data stream, comprising the steps of: receiving the digitized data stream, wherein the digitized data stream comprises a

TECHNOLOGY

AI (MACHINE LEARNING);
INFORMATION
EXTRACTION;
INFORMATION RETRIEVAL;
USER INTERFACES

NOVELTY

AUTOMATICALLY
EXTRACTING KEY
INFORMATION FROM
VARIOUS DATA SOURCES
AND PRESENTING
THE EXTRACTED
INFORMATION EFFICIENTLY
AND EFFECTIVELY

IMPORTANCE

A VALUABLE PORTFOLIO
FOR COMPANIES
PROVIDING INFORMATION,
INFORMATION
MANAGEMENT SYSTEMS,
DIGITAL COMMUNICATION
SYSTEMS, AND ONLINE
SOCIAL NETWORKS

NUMBER OF ASSETS

26

PATENTS (18)

US 6,249,765
US 6,342,901
US 6,651,218
US 7,627,599
US 7,715,037
US 8,396,813
US 8,671,104
DE 1014279
DE 69938958.5
EP 1014254
EP 1014279
FR 1014254
FR 1014279
GB 1014254
GB 1014279
JP 5203882
JP 5329900
JP 5329901

APPLICATIONS (8)

US 13/453,984
US 13/685,818
EP 08166314.8
EP 08166315.5
EP 08166316.3
EP 10178122.7
EP 99125118.2
EP 99125141.4

digitized audio message; receiving guidance representative of the structure of the digitized data stream; analyzing the digitized data stream, wherein the analyzing step comprises performing a speech recognition operation on the digitized audio message, identifying a plurality of words within the digitized audio message, and storing the position within the digitized audio message of each word; determining whether a portion of the audio message represents a telephone number or a name; using the guidance to identify at least one significant data item within the digitized data stream and selecting a date contained within the digitized data stream as the data item; and storing a pointer to the significant data item.

Contact:

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