



Patent Search & Analysis Report (PSAR)

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Part - I : PATENT SEARCH TECHNIQUE USED

Patent Search Database Used : USPTO Patent Database
Keywords Used for Search : work,review,individuals
Search String Used : review work
Number of Results/Hits getting : 453

Part - II : BASIC DATA OF PATENTED INVENTION/BIBLIOGRAPHIC DATA

Category/Field of Invention : COMPUTER SCIENCE &
Invention is Related to/Class of Invention : Business
Title of Invention : System and business method for work-flow review
and management
Patent No. : US8725549 B2
Application No. : US 10/217,019
Date of Filing/Application : 13/08/2002
Priority Date : 13/08/2001
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in which Patent is published)** :
Publication Date : 13/05/2014
First Filled Country : United States
Also Published as

Country	Patent No

Applicant for Patent is : Company



GTU - Prior Art Search

- INVENTOR DETAIL

Name of Inventor	Address/City/Country of Inventor
Fernando J Arroyo	Stafford, VA
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- APPLICANT/ASSIGNEE DETAIL

Name of Applicant/Assignee	Address/City/Country of Applicant
Geologics Corporation	Alexandria, VA



Part - III : TECHNICAL PART OF PATENTED INVENTION

Limitation of Prior Technology/Art :

In the products industry, there exist many electronic (e-business) solutions to automating transactions occurring at every point along the supply chain and in the manufacturing cycle. For example, customers can purchase goods from a store through the Internet with credit cards. The store's distribution centers can automatically start order fulfillment, update their inventories and order more stock. Payments can be made electronically from the credit companies to the store's bank.

Specific Problem Solved/Objective of Invention :

The manual process of review and approval takes a great deal of time. Eventually the timesheets make their way to an accounting department, where the charges to various accounts must be collected and invoiced to the customers. Travel and other direct expenses (ODCs) are billed in the same way as timesheets, and cause similar difficulties. Correcting timesheets and other documents can be cumbersome and timeconsuming.

Brief about Invention :

A method in a computer system for paperless business work-flow review and management includes the steps of: creating an interactive document electronically; entering the interactive document into a document entry stage; electronically submitting the interactive document to a first approval level from the document entry stage, when such approval is required by a set of business rules; approving the submitted interactive document; for N levels of approval, iteratively submitting the interactive document electronically to the next approval level, up to level N, when the interactive document is approved at the previous approval level; returning the interactive document to the document entry stage when the interactive document is rejected at any of the first through N approval levels; electronically processing the interactive document at the processing level when the interactive document is approved at all required approval levels; verifying the electronic processing of the interactive document; and archiving the interactive document.

Key Learning Points :

all critical business processes such as time and expense reporting, invoicing, payment and reconciliation are automated and integrated. The related business documents, such as timesheets, expense reports, personnel actions, and invoices are created, edited, tracked and stored electronically, although they can also be printed on paper when needed. The restructuring and automation of these critical business processes reduces the time spent both on filling out and reviewing documents, and the time spent on moving the document through such processes from days or weeks to minutes.

Summary of Invention :

The business method and system of the present invention allows service companies to accelerate key transactions and increase their cash flow, and to increase profitability by significantly reducing "back-office" costs. In addition, the present invention can enhance operational effectiveness, especially in the areas of management, visibility, and reporting. The present invention also facilitates partnering with external organizations, and the operation of virtual and highly distributed organizations.

Number of Claims : 23

Patent Status : Granted Patent

How much this invention is related with your IDP/UDP? : 71 to 90%

Do you have any idea to do anything around the said invention to improve it? :

The same to method can be used for reviewing the individual's work. So the same concept can be applied many fields other than business organizations.