ePressNet Application

Written press monitoring solution

Often, access to the right information at the right time and place creates strategic advantages to companies or institutions, which result in well spent money or profit.

ePressNet answers the following technical demands:

- the establishment of a unitary management and indexing system for the press documents, such as newspapers and magazines.
- press archiving
- easy and convenient access to the documents contained in the electronic archive thru a complex searching interface in the form of a web application inside the company's intranet.

General description

ePressNet is an informational system which allows the capture, management, storage, control, access and publishing of press information in a secure, fast, easy and precise way.

The **benefits** of integrating this system are:

- it improves the employees' actions by allowing simultaneous access to information the local networks
- it improves the efficiency and dramatically lowers the costs by eliminating or reducing the time necessary to find or change the document
- it improves the security by controlling the access to critical information

Software components

Server module for electronic archive management with the following facilities:

- indexing fields association for a fast and easy way to find the documents
- the integrating of a performing search engine which allows simple search by one index field, complex search by combining several index fields, the search of logic operators, interval-type searches
- advanced user access rights definition over the document database
- allows concurrent access to several users to the same database
- allows the connection of scanner modules to the database so that the scanning can take place in one point or be distributed in several points
- allows the connection of one or several optical character recognition modules
- the connection of the view and access module to the database in order to perform searches and access documents

Optical character recognition module features

- allows the application of the optical character recognition engine over the existing images in the server database. It groups recognized characters in words
- creates an index of recognized words useful to future full-text search type
- it saves the index information attached to the documents in the database
- export in Microsoft Word format of each document in the database

Hardware components

Electronic archive management and administration server

One or several simplex scanners, scanning resolution between 100 and 600 dpi

One or several scanning stations

One or several optical character recognition stations for full-text indexing

Electronic archive client access stations

Scanning module features:

-the conversion of paper documents into digital format

-uses TWAIN standard interface for the connection to the scanner and it's parameter setting

-allows the import of images by specifying the source directory

- improves the images by eliminating the bordures and isolated points that resulted after the scanning

- allows the view of the images during the scanning or import processes ensuring actions like Zoom In, Zoom Out or Rotate under any angle

View and access module features

-it allows the restriction of the search zone by selecting the level of the logic structure in the document database

-this module presents itself as a web application which can run inside company's intranet or on the internet with public access

-ensures concurrent access to the same document for all users

-searches are performed on several levels of complexity as it follows:

- simple searches by one or more search criteria

- combinations of these simple criteria with the help of logic operators

-"range" domain search-types

- allows full-text searches

- allows a view window of the documents that match the search criteria

- the result of the search is in the form of a list of documents which match the used search criteria

- allows the view of all the photographs attached to the document in the databse

- the taking of every press article in the database in Microsoft Word format

- the response time of the search in limited only by the response time of the network and the server