

## ENCRYPTED COMMUNICATIONS ACROSS NETWORKS

Xerox Corporation

### Initial Bidding Guidance: Low 6 Figures

This portfolio is directed to methods and systems for: (i) securely accessing email using a print-capable device via a network [7,921,166] and (ii) for using biometrics for encrypting data [8,311,288].

On a print-capable device such as a printer, copy machine, fax machine, or multifunction device (MFD) a user can access a user interface on the device to request access to email, receive authentication, and access the email. The device facilitates communication between the mail server, email client software and multifunction device (MFD), securely handling documents, including email and attachments.

Also disclosed are methods for receiving an initial biometric sample, encrypting documents using the biometric sample on an initiating device, then deleting the initial biometric sample after encryption. The biometric sample may include fingerprints, iris scans, and voice prints. The method includes transmitting the set of documents to the printing-capable device, which decrypts the documents and prints the same. The method need not store or transmit the initial biometric sample over the network, which provides additional security.

**Forward Citing Companies:** Blackberry, Hewlett-Packard, Kyocera, Qualcomm, Samsung Electronics, Sanyo

**Priority Date:** 02-01-2002

**Representative Claim:** US 7,921,166 – Claim #11

A multifunction device that retrieves email messages, comprising: an authentication component that identifies a user based upon information entered by the user; a retrieval component that establishes a connection to one or more mail servers, searches associated contents of said one or more mail server, and locates and retrieves one or more emails based at least in part upon the user's identification; a configuration component that allows a user to configure one or more preferences related to accessing email, wherein said configuration component is capable of interfacing with the retrieval component to provide a set of rules for retrieving email; a presentation component that displays a distilled version of the one or more emails retrieved by the retrieval component based on a selected presentation configuration, wherein the user selects one or more emails; a printing element that prints a document surrogate that represents the one or more email messages selected by a user, said document surrogate multiple selection areas corresponding to each selected email message and a machine readable marker that distinguishes a document surrogate from non-surrogate pages, that is representative of the one or more emails selected by the user, wherein said multiple selection areas can accept a user generated mark indicating a desired function, said function including at least one of print, reply, reply all, delete, and mark as read; and a scanning element that at least one of identifies said document surrogate by scanning a hardcopy and locating the machine readable marker contained therein, extracts data from the document surrogate based at least in part upon a mark within said multiple selection areas, and stores data obtained from the hardcopy.

#### Contact:

For more information on the assets available for sale in this portfolio, contact Paul Greco.

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#### TECHNOLOGY

SECURE COMMUNICATIONS & BIOMETRIC ENCRYPTION

#### NOVELTY

SECURE EMAIL ACCESS ON A PRINT-CAPABLE DEVICE; BIOMETRIC ENCRYPTION WITHOUT TRANSMITTING OR PERMANENTLY STORING THE BIOMETRIC DATA

#### IMPORTANCE

A VALUABLE PORTFOLIO FOR COMPANIES PROVIDING SECURE COMMUNICATION SOLUTIONS OR COMPANIES PROVIDING PRINTERS, COPY MACHINES, FAX MACHINES, OR MULTIFUNCTION DEVICES (MFDS)

#### NUMBER OF ASSETS

2

#### US PATENTS (2)

7,921,166  
8,311,288