



PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ :

G06F 17/60, H04L 29/06, G06F 17/30

A3

(11) International Publication Number:

WO 98/03927

(43) International Publication Date:

29 January 1998 (29.01.98)

(21) International Application Number: PCT/US97/13309

(22) International Filing Date: 22 July 1997 (22.07.97)

(30) Priority Data:

60/022,035

22 July 1996 (22.07.96)

US

(71) Applicant: CYVA RESEARCH CORPORATION [US/US];
Suite 219, 437 South Highway 101, Solana Beach, CA
92075 (US).(72) Inventors: O'NEIL, Kevin; 3540 Seahorn Circle, San Diego,
CA 92031 (US). SEIDMAN, Glenn, R.; 830 West Califor-
nia Way, Woodside, CA 94062 (US).(74) Agents: TEKANIC, Jeffrey, D. et al.; Lyon & Lyon, First
Interstate World Center, Suite 4700, 633 West Fifth Street,
Los Angeles, CA 90071-2066 (US).(81) Designated States: AU, BR, CA, CN, DE, IL, JP, KR, MX, RU,
SG, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB,
GR, IE, IT, LU, MC, NL, PT, SE).

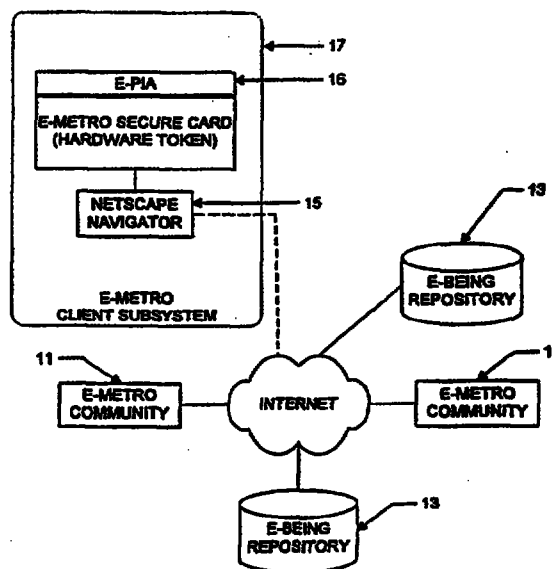
Published

*With international search report.**Before the expiration of the time limit for amending the claims
and to be republished in the event of the receipt of amendments.*

(88) Date of publication of the international search report:

12 March 1998 (12.03.98)

(54) Title: PERSONAL INFORMATION SECURITY AND EXCHANGE TOOL



(57) Abstract

Utilization of the E-Metro Community and Personal Information Agents assure an effective and comprehensive agent-rule based command and control of informational assets in a networked computer environment. The concerns of informational privacy and informational self-determination are addressed squarely by the invention affording persons and entities a trusted means to author, secure, search, process, and exchange personal and/or confidential information in a networked computer environment. The formation of trusted electronic communities wherein members command and control their digital persona, exchanging or brokering for value the trusted utility of their informational assets is made possible by the invention. The present invention provides for the trusted utilization of personal data in electronic markets, providing both communities and individuals aggregate and individual rule-based control of the processing of their personal data.