9802207-2
IPOS

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : H04L — A2

(11) International Publication Number: WO 97/14234

(43) International Publication Date: 17 April 1997 (17.04.97)

(21) International Application Number: PCT/US96/15504

(22) International Filing Date: 25 September 1996 (25.09.96)

(30) Priority Data:
08/533,115 25 September 1995 (25.09.95) US

(71) Applicant: NETSPEAK CORPORATION [US/US]; Suite 104, 902 Clint Moore Road, Boca Raton, FL 33487 (US).

(72) Inventor: HUTTON, Glenn, W.; Apartment 206, 9725 Hammocks Boulevard, Miami, FL 33196 (US).

(74) Agent: JOBSE, Bruce, D.; Bookstein & Kudirka, P.C., One Beacon Street, Boston, MA 02108 (US).

(81) Designated States: AU, BR, CA, CN, 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
Without international search report and to be republished upon receipt of that report.

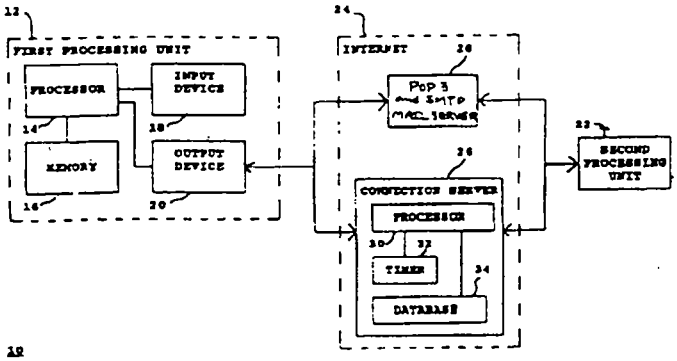


162162



G00002

(54) Title: POINT-TO-POINT INTERNET PROTOCOL



(57) Abstract

A point-to-point Internet protocol exchanges Internet Protocol (IP) addresses between units to establish a point-to-point communication link between the processing units through the Internet. In accordance with the disclosed protocol, a method of locating a user process over a computer network, the user process having a dynamically assigned network protocol address comprises the steps of (a) maintaining in a computer memory a compilation of entries, each entry comprising a network protocol address of a user process connected to the computer network; and (b) in response to identification of one of the entries by a requesting user processor, providing the network protocol address of the identified entry to the requesting user process. In accordance with another embodiment of the invention, a computer system having an audio transducer and a display device and being operatively coupled to other computers and a server over a computer network comprises (a) means for transmitting an E-mail signal containing a network protocol address of a first process to a second process over the computer network; (b) means for receiving a second network protocol address from the second process over the computer network; and (c) means, for responsive to the second network protocol address for establishing a communication link between the first process and the second process over the computer network.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AM	Armenia	**GB**	United Kingdom	**MW**	Malawi
AT	Austria	**GE**	Georgia	**MX**	Mexico
AU	Australia	**GN**	Guinea	**NE**	Niger
BB	Barbados	**GR**	Greece	**NL**	Netherlands
BE	Belgium	**HU**	Hungary	**NO**	Norway
BF	Burkina Faso	**IE**	Ireland	**NZ**	New Zealand
BG	Bulgaria	**IT**	Italy	**PL**	Poland
BJ	Benin	**JP**	Japan	**PT**	Portugal
BR	Brazil	**KE**	Kenya	**RO**	Romania
BY	Belarus	**KG**	Kyrgystan	**RU**	Russian Federation
CA	Canada	**KP**	Democratic People's Republic of Korea	**SD**	Sudan
CF	Central African Republic			**SE**	Sweden
CG	Congo	**KR**	Republic of Korea	**SG**	Singapore
CH	Switzerland	**KZ**	Kazakhstan	**SI**	Slovenia
CI	Côte d'Ivoire	**LI**	Liechtenstein	**SK**	Slovakia
CM	Cameroon	**LK**	Sri Lanka	**SN**	Senegal
CN	China	**LR**	Liberia	**SZ**	Swaziland
CS	Czechoslovakia	**LT**	Lithuania	**TD**	Chad
CZ	Czech Republic	**LU**	Luxembourg	**TG**	Togo
DE	Germany	**LV**	Latvia	**TJ**	Tajikistan
DK	Denmark	**MC**	Monaco	**TT**	Trinidad and Tobago
EE	Estonia	**MD**	Republic of Moldova	**UA**	Ukraine
ES	Spain	**MG**	Madagascar	**UG**	Uganda
FI	Finland	**ML**	Mali	**US**	United States of America
FR	France	**MN**	Mongolia	**UZ**	Uzbekistan
GA	Gabon	**MR**	Mauritania	**VN**	Viet Nam