

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
20 December 2001 (20.12.2001)

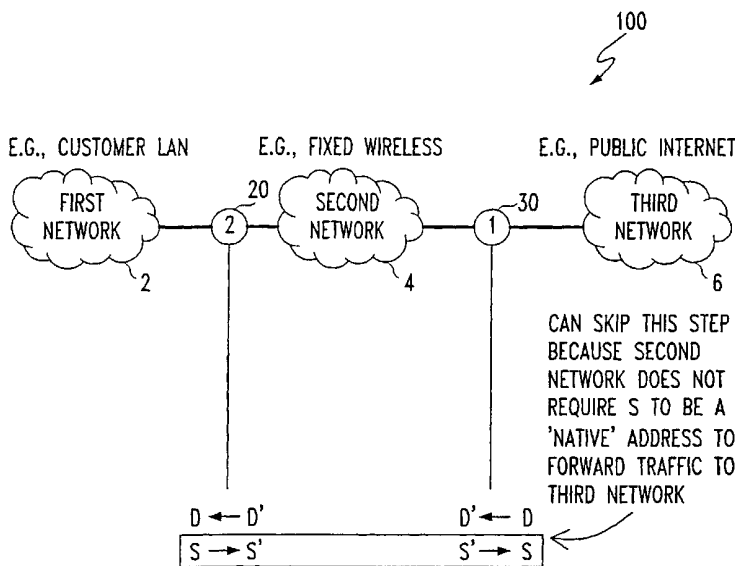
PCT

(10) International Publication Number
WO 01/97485 A3

- (51) International Patent Classification⁷: H04L 29/12, 12/28
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- (21) International Application Number: PCT/US01/14765
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- (22) International Filing Date: 8 May 2001 (08.05.2001)
- (81) Designated States (national): BR, CA, CN, ID, IN, JP.
- (25) Filing Language: English
- (84) Designated States (regional): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).
- (26) Publication Language: English
- (30) Priority Data:
60/211,497 14 June 2000 (14.06.2000) US
09/724,774 28 November 2000 (28.11.2000) US
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- Published:**
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 6 June 2002

[Continued on next page]

(54) Title: METHOD FOR PROVIDING TRANSPARENT PUBLIC ADDRESSED NETWORKS WITHIN PRIVATE NETWORKS



(57) Abstract: A system includes a first device for receiving a datagram from a public network whose destination is specified by a globally unique Internet Protocol (IP) address and for performing network address translation of said globally unique IP address to a non-globally unique IP address in a private network; and a second device for routing said datagram to a user device connected to the second device wherein said user device includes the destination specified by said non-globally unique IP address and for performing basic network address translation to said non-globally unique IP address to said corresponding globally unique IP address.

KEY:

- D= DESTINATION ADDRESS IN IP DATAGRAM
- S= SOURCE ADDRESS IN IP DATAGRAM
- [D,S]= GLOBALLY UNIQUE IP ADDRESSES
- [D',S']= NON GLOBALLY UNIQUE IP ADDRESSES
- [] = OPTIONAL STEP

ASSUMPTIONS:

- FIRST NETWORK AND THIRD NETWORK USE GLOBALLY UNIQUE ADDRESS
- SECOND NETWORK USES NON GLOBALLY UNIQUE ADDRESSES

WO 01/97485 A3



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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 01/14765

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L29/12 H04L12/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 5 856 974 A (ALLEN MICHAEL D ET AL) 5 January 1999 (1999-01-05) column 6, line 45 - line 53 column 6, line 65 -column 7, line 4 column 7, line 59 -column 8, line 37 column 9, line 19 -column 10, line 7 ---	1,2,25, 26
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 11, 30 September 1998 (1998-09-30) & JP 10 154995 A (FUJITSU LTD), 9 June 1998 (1998-06-09) abstract & US 6 101 189 A (TSURUOKA TETSUMEI) 8 August 2000 (2000-08-08) abstract; claim 1 --- -/--	1,2

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

27 March 2002

Date of mailing of the international search report

05/04/2002

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/14765

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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	US 5 835 726 A (DOGON GIL ET AL) 10 November 1998 (1998-11-10) abstract figures 1,2 column 12, line 65 -column 13, line 29 column 14, line 54 - line 65 -----	1, 2, 25, 26
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PCT/US 01/14765

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