

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
31 May 2001 (31.05.2001)

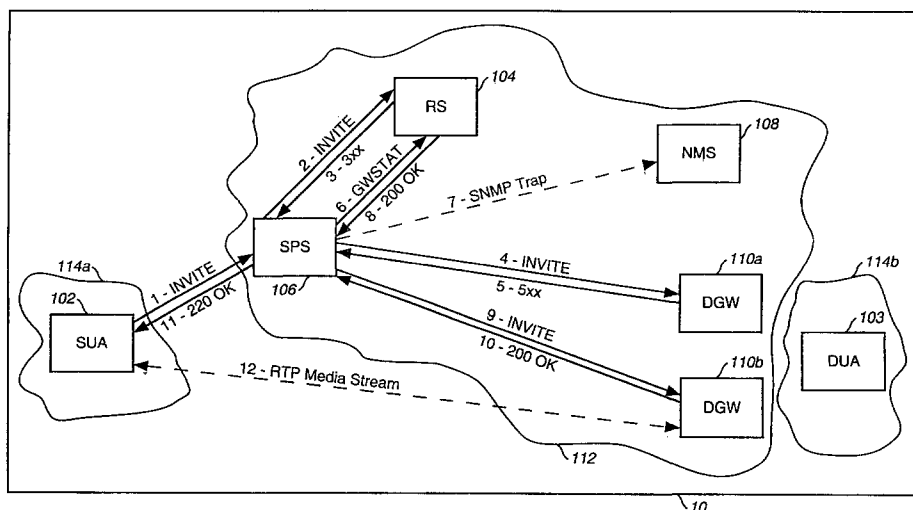
PCT

(10) International Publication Number
WO 01/039444 A1

- (51) International Patent Classification⁷: H04L 12/66, 12/12, 12/26, 12/64
- (21) International Application Number: PCT/US00/41994
- (22) International Filing Date:
8 November 2000 (08.11.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
09/436,796 8 November 1999 (08.11.1999) US
- (71) Applicant: MCI WORLD COM, INC. [US/US]; 515 East Amite Street, Jackson, MI 39201 (US).
- (72) Inventors: DONOVAN, Steven, R.; 704 Forest Bend Drive, Plano, TX 75025 (US). GALLANT, John, K.; 1800 Azurite Trail, Plano, TX 75075 (US).
- (74) Agent: GROLZ, Edward, W.; Scully, Scott, Murphy & Presser, 400 Garden City Plaza, Garden City, NY 11530 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR DYNAMIC GATEWAY SELECTION IN AN IP TELEPHONY NETWORK



(57) Abstract: This invention relates to the field of Internet Protocol telephony. More particularly, this invention is a method and system for selecting gateways for routing calls through a packet-based telecommunications network interconnected with a public switched telecommunications network. With reference to Fig. 1, this invention is a method and system for dynamically selecting (1-11) a destination gateway (110a, 110b) to complete a call over a path (12) supported at least in part by an IP telephony network (112) and a public switched telephone network (114a, 114b). The method and system further provide for dynamically detecting available gateways (110a, 110b), dynamically removing failed and/or unavailable gateways (6-8), and automatically recovering failed and/or unavailable gateways after a predetermined period of time (6-8).



(48) Date of publication of this corrected version:

15 August 2002

Previous Correction:

see PCT Gazette No. 37/2001 of 13 September 2001, Section II

(15) Information about Corrections:

see PCT Gazette No. 33/2002 of 15 August 2002, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.