

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 May 2001 (17.05.2001)

PCT

(10) International Publication Number
WO 01/35604 A2

- (51) International Patent Classification⁷: **H04M**
- (21) International Application Number: **PCT/US00/30446**
- (22) International Filing Date:
6 November 2000 (06.11.2000)
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
60/163,913 5 November 1999 (05.11.1999) US
09/436,794 8 November 1999 (08.11.1999) US
- (71) Applicant: **MCI WORLD COM, INC.** [US/US]; 515 East Amite Street, Jackson, MI 19201 (US).
- (72) Inventor: **DONOVAN, Steven, R.**; 704 Forest Bend Drive, Plano, TX 75025 (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:**
— Without international search report and to be republished upon receipt of that report.
- 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.



WO 01/35604 A2

(54) Title: **METHOD FOR PROVIDING IP TELEPHONY WITH QoS USING END-TO-END RSVP SIGNALING**

(57) Abstract: The present invention discloses a method whereby the separate protocols: session initiation protocol SIP, resource reservation protocol RSVP, common open policy service COPS, and open settlement protocol OSP are used together to setup, maintain, and teardown Internet communications having an acceptable QoS. This process is accomplished by dynamically establishing RSVP policy based on SIP telephony requests to provide IP communications with QoS across the Internet.