PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : G06F 13/00 | A1

(11) International Publication Number: WO 00/08565

(43) International Publication Date: 17 February 2000 (17.02.00)

(21) International Application Number: PCT/US99/17424

(22) International Filing Date: 30 July 1999 (30.07.99)

(30) Priority Data:
09/128,937 5 August 1998 (05.08.98) US

(71) Applicant: MCI WORLDCOM, INC. [US/US]; 515 East Amite Street, Jackson, MI 39201 (US).

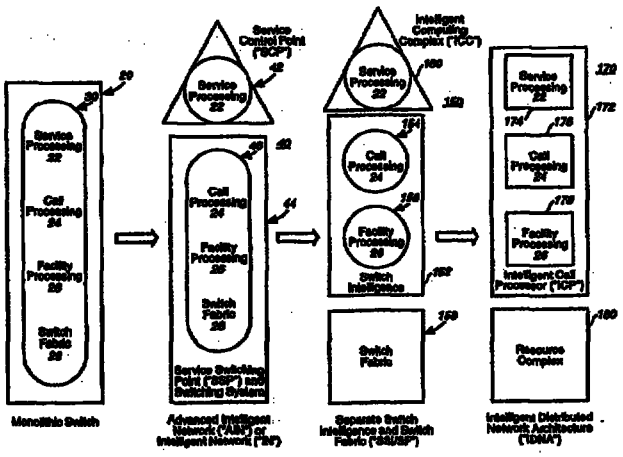
(72) Inventors: BARNHOUSE, Robert; 2720 Meadowbrook Court, Plano, TX 75075 (US). CARDY, Doug; 3808 Wyeth Drive, Plano, TX 75023 (US). PORTER, Kelvin; 17319 Calla Drive, Dallas, TX 75252 (US). RAMBO, Ken; 9801 Chandler Court, Allen, TX 75002 (US). WALLER, Carol; 302 South Malone Road, Allen, TX 75002 (US). WONG, Wendy; 4816 Cape Coral Drive, Dallas, TX 78287 (US). YAO, George; 2052 Ruger Drive, Piano, TX 75023 (US).

(74) Agent: GROLZ, Edward, W.; Scully, Scott, Murphy & Presser, 400 Garden City Plaza, Garden City, NY 11530 (US).

(81) Designated States: CA, JP, MX, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published
With international search report.

(54) Title: METHOD AND SYSTEM FOR AN INTELLIGENT DISTRIBUTED NETWORK ARCHITECTURE



(57) Abstract

The present invention provides an intelligent call processor (172), an intelligent switching node and an intelligent communications network for use in a communication system (170). The intelligent call processor comprises a logical platform having a plurality of functions wherein at least one of the functions is service processing function (22), at least one of the functions is call processing (24), and at least one of the functions is facility processing (26), and a processor (172) for executing the plurality of functions. The intelligent switching node comprises an intelligent call processor (172) and, a resource complex (180) communicably linked to the intelligent call processor (172) and logically separated from the intelligent call processor (172). The intelligent communications network comprises a plurality of intelligent distributed network nodes, a network management system for monitoring and controlling a wide area network and the plurality of intelligent switching nodes, and the wide area network interconnecting the plurality of intelligent distributed network nodes and the network management system.