

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 April 2005 (28.04.2005)

PCT

(10) International Publication Number
WO 2005/039108 A2

(51) International Patent Classification⁷: **H04L 12/26**

(21) International Application Number:
PCT/IB2004/003573

(22) International Filing Date: 21 October 2004 (21.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0324597.4 21 October 2003 (21.10.2003) GB

(71) Applicant (for all designated States except US): **NOKIA CORPORATION** [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MAYER, Georg** [DE/FI]; Töölönkatu 56 A 17, FIN-00250 Helsinki (FI). **HAUKKA, Tao** [FI/FI]; Taskilantie 18, FIN-90580 Oulu (FI). **HIETALAHTI, Hannu** [FI/FI]; Uhanperäntie 38, FIN-90810 Kiviniemi (FI). **POIKSELKÄ, Mikka** [FI/FI]; Isehallintotie 1 C 83, FIN-02600 Espoo (FI).

(74) Agents: **SLINGSBY, Philip, Roy et al.**; Page White & Farrer, 54 Doughty Street, London WC1N 2LS (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, 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.

(54) Title: A METHOD FOR HANDLING SERVICE FAILURES

(57) Abstract: A method for handling service failures for in a communications network comprising a user equipment, a first network element and a serving network element, the method comprising the following steps. Receiving at the first network element a first message from the user equipment. Transmitting the first message from the first network element to the serving network element. Detecting at the first network element that the serving network element is out of service. Determining at the first network element the type of the first message, and in dependence on the type of the first message sending from the first network element to the user equipment an error message including an indication that the serving network element is out of service.



WO 2005/039108 A2