



- (51) **International Patent Classification:**
H04L 12/24 (2006.01) *G06F 15/16* (2006.01)
- (21) **International Application Number:**
PCT/EP2008/067890
- (22) **International Filing Date:**
18 December 2008 (18.12.2008)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (71) **Applicant (for all designated States except US):** TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-164 83 Stockholm (SE).
- (72) **Inventor; and**
- (75) **Inventor/Applicant (for US only):** SPEKS, Oliver [DE/DE]; Franz-Liszt-Str. 25, 52249 Eschweiler (DE).
- (74) **Agents:** HOFFMANN EITLE et al.; Arabellastrasse 4, 81925 München (DE).
- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, 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:

— with international search report (Art. 21(3))

(54) **Title:** NETWORK NODE AND METHOD FOR CONTROLLING RESOURCES IN A COMMUNICATION NETWORK

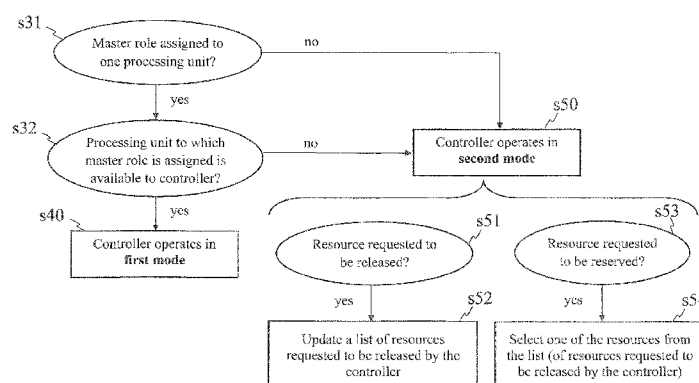


Fig. 11

(57) **Abstract:** A network node (10) controls resources (22) in a network. The node (10) includes processing units (12) and assigns, for each set of resources (22), to a unit (12) a master role consisting in reserving and releasing resources (22) and to two processing units (12), named controllers, the role of controlling resources (22). A controller (12c) operates in a first mode when a master role is assigned to a processing unit (12m) and the unit (12m) is available to reserve and release resources (22). A controller (12c) operates in a second mode when no master role is assigned or when a master role is assigned to a unit (12m) which is not available to reserve and release resources (22). In the second mode, a controller (12c) maintains a list (14) of resources (22) to be released and selects a resource (22) from the list (14) to reserve a resource (22).