



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification⁶:

H04B 7/195, 7/19

A2

(11) International Publication Number:

WO 95/35602 ✓

(43) International Publication Date:

28 December 1995 (28.12.95)

(21) International Application Number:

PCT/US95/07837 ✓

(22) International Filing Date:

21 June 1995 (21.06.95) ✓

(30) Priority Data:

08/263,835 ✓

22 June 1994 (22.06.94) ✓

US

(71) Applicant: ERICSSON INC. [US/US]; One Triangle Drive,
P.O. Box 13969, Research Triangle Park, NC 27709 (US).(72) Inventor: DENT, Paul, W.; Stehags Prästgård, S-240 36
Stehags (SE).(74) Agents: GRUDZIECKI, Ronald, L. et al.; Burns, Doane,
Swecker & Mathis, P.O. Box 1404, Alexandria, VA 22313-
1404 (US).

(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG).

86 9612291-6

Published

Without international search report and to be republished upon receipt of that report.

(54) Title: RADIOCOMMUNICATION SYSTEM USING GEOSTATIONARY AND NON-GEOSTATIONARY SATELLITES

(57) Abstract

A radiocommunication system and method using a combination of a geostationary (GEO) and a plurality of medium earth orbit (MEO) satellites are disclosed. First, a GEO satellite is launched to provide initial system capacity. Next, MEO satellites are successively launched into positions where they can supplement the coverage of the GEO satellite during peak traffic hours. Finally, when a sufficient number of MEO satellites are in place, the GEO satellite can provide the supplementary capacity.

