

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: H04N 7/20	A1	(11) International Publication Number: WO 98/25411 (43) International Publication Date: 11 June 1998 (11.06.98)
(21) International Application Number: PCT/SE97/02012 (22) International Filing Date: 1 December 1997 (01.12.97) (30) Priority Data: 9602302-3 1 December 1996 (01.12.96) SE (71) Applicant (for all designated States except US): WELLTON PERSSON, Claes, Lorentz, Uno [SE/SE]; Sveavägen 118, S-113 50 Stockholm (SE). (72) Inventors; and (75) Inventors/Applicants (for US only): BJURFJELL, Edvard [SE/SE]; Västra Vallgatan 37, S-291 31 Kristianstad (SE). BJURFJELL, Tina, Britt, Marie [SE/SE]; P.O. Box 12010, S-291 12 Kristianstad (SE). > see PCT/IB/306 (74) Agent: NORÉN, Per, Bo, Arne; Swedpatent AB, P.O. Box 186, S-746 24 Bålsta (SE).	(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KB, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, 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). Published With international search report.	

(54) Title: TERRESTRIAL COMMUNICATION SYSTEM**(57) Abstract**

A terrestrial communication system, facilitating audio, video, data and any other type of communication within a local geographical area, and with an extremely large number of communication channels being made available simultaneously at a very low cost. It comprises at least one local terrestrial satellite (LTS), preferably located in a mast or any other supporting structure, each (LTS) having high frequency communication equipment substantially corresponding to a conventional geostationary satellite for digital transmission of video, audio or data, arranged to transmit in the L Band (1-2 GHz), the S Band (2-4 GHz) or a higher frequency band with a relatively low power output and having a preferably omnidirectional antenna installation for transmission in a substantially horizontal plane. The signals can be digitalized according to MPEG-2 or according to any known or future signal algorithm.

