

Title (en)

HIGH EFFICIENCY SUB-ORBITAL HIGH ALTITUDE TELECOMMUNICATIONS SYSTEM

Title (de)

HOCHEFFIZIENTES SUBORBITALES TELEKOMMUNIKATIONSSYSTEM FÜR GROSSE HÖHEN

Title (fr)

SYSTEME DE TELECOMMUNICATIONS A HAUTE ALTITUDE, SUBORBITAL ET A GRANDE EFFICACITE

Publication

EP 0830753 A4 20020102 (EN)

Application

EP 96922454 A 19960607

Priority

- US 9610230 W 19960607
- US 48821395 A 19950607

Abstract (en)

[origin: FR2735306A1] The system includes a number of balloons which are positioned at heights between 19.2 and 56 km above ground. Each balloon forms a telecommunications node and allows transmission and reception of digital signals using CDMA. Reception is via a number of antennae which can receive relatively weak transmissions. The received signals at the node are decoded, and the source identified. The system is arranged to provide maximal spectrum use, providing signal transmissions without interference.

IPC 1-7

H04B 7/185

IPC 8 full level

H04B 7/185 (2006.01); **H04B 7/216** (2006.01)

CPC (source: EP)

H04B 7/18502 (2013.01); **H04B 7/18504** (2013.01)

Citation (search report)

- [Y] WO 9504407 A1 19950209 - INT MULTI MEDIA CORP [US], et al
- [Y] US 5206882 A 19930427 - SCHLOEMER GERALD R [US]
- [Y] WINTERS J H: "SIGNAL ACQUISITION AND TRACKING WITH ADAPTIVE ARRAYS IN WIRELESS SYSTEMS", PERSONAL COMMUNICATION - FREEDOM THROUGH WIRELESS TECHNOLOGY. SECAUCUS, NJ., MAY 18 - 20, 1993, PROCEEDINGS OF THE VEHICULAR TECHNOLOGY CONFERENCE, NEW YORK, IEEE, US, vol. CONF. 43, 18 May 1993 (1993-05-18), pages 85 - 88, XP000393130, ISBN: 0-7803-1267-8
- See also references of WO 9641429A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

FR 2735306 A1 19961213; FR 2735306 B1 20031003; AR 002431 A1 19980311; AU 6332496 A 19961230; AU 702991 B2 19990311; BR 9609018 A 19990706; BR 9609018 B1 20091201; CA 2254776 A1 19961219; CN 1192832 A 19980909; CN 1684393 A 20051019; DE 19681416 T1 19981001; EP 0830753 A1 19980325; EP 0830753 A4 20020102; ES 2137887 A1 19991216; ES 2137887 B1 20000816; IT 1284148 B1 19980508; IT RM960405 A0 19960607; IT RM960405 A1 19971207; JP H11513203 A 19991109; PL 181701 B3 20010928; PL 324036 A1 19980511; RU 2227371 C2 20040420; TW 431080 B 20010421; UA 59339 C2 20030915; WO 9641429 A1 19961219

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FR 9607105 A 19960607; AR 10309296 A 19960607; AU 6332496 A 19960607; BR 9609018 A 19960607; CA 2254776 A 19960607; CN 200410043209 A 19960607; CN 96196073 A 19960607; DE 19681416 T 19960607; EP 96922454 A 19960607; ES 9750008 A 19960607; IT RM960405 A 19960607; JP 50225497 A 19960607; PL 32403696 A 19960607; RU 98100752 A 19960607; TW 85106860 A 19960607; UA 98010119 A 19960607; US 9610230 W 19960607