

Title (en)

IMPROVED SPOT BEAM SATELLITE GROUND SYSTEMS

Title (de)

SATELLITEN-BODENSYSTEME MIT VERBESSERTEM SPOT-STRAHL

Title (fr)

SYSTÈMES TERRIENS DE COMMUNICATION PAR SATELLITE À FAISCEAU ÉTROIT AMÉLIORÉS

Publication

**EP 2074713 A2 20090701 (EN)**

Application

**EP 07868346 A 20070926**

Priority

- US 2007079577 W 20070926
- US 82703806 P 20060926
- US 82804506 P 20061003
- US 82804606 P 20061003
- US 82804806 P 20061003
- US 82803206 P 20061003
- US 82803406 P 20061003
- US 82803506 P 20061003
- US 82803806 P 20061003
- US 82804706 P 20061003

Abstract (en)

[origin: WO2008060760A2] A system for improved satellite broadband communication is disclosed in one embodiment. The system uses spot beams that carry a high-bandwidth signal and generally on a single carrier. The communication between gateways and subscriber terminals is bi-directional. Both upstream and downstream improvements allow for the high bandwidth. Domains can be defined and can be mapped to physical sub-channels. Other improvements in the satellite modem provide for control of the domains and sub-channels.

IPC 8 full level

**H04B 7/185** (2006.01)

CPC (source: EP)

**H04B 7/18582** (2013.01)

Citation (search report)

See references of WO 2008060760A2

Citation (examination)

- US 2004085976 A1 20040506 - DALE MARK [US], et al
- EP 1387546 A2 20040204 - BROADCOM CORP [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2008060760 A2 20080522; WO 2008060760 A8 20080912**; CN 101689914 A 20100331; EP 2074713 A2 20090701

DOCDB simple family (application)

**US 2007079577 W 20070926**; CN 200780039671 A 20070926; EP 07868346 A 20070926