

Title (en)  
APPARATUS AND METHODS FOR SATELLITE COMMUNICATION

Title (de)  
VORRICHTUNGEN UND VERFAHREN ZUR SATELLITENKOMMUNIKATION

Title (fr)  
APPAREIL ET PROCÉDÉS POUR UNE COMMUNICATION SATELLITE

Publication  
**EP 2210289 A1 20100728 (EN)**

Application  
**EP 08799216 A 20080905**

Priority

- US 2008075372 W 20080905
- US 2007081763 W 20071018
- US 2008063853 W 20080516

Abstract (en)  
[origin: WO2009051907A1] A communications system and method are disclosed that may include a constellation of satellites operating in a substantially equatorial, non-geosynchronous orbit; a plurality of ground stations configured to communicate with the satellites, at least one given ground station of the ground stations lacking a wired connection to any global communications network; and at least one gateway station coupled to a global communications network and to at least one said satellite, wherein each satellite includes at least one antenna having a steerable beam, the antenna being controllable to continuously direct a concentrated spot beam toward the given ground station.

IPC 8 full level  
**H04B 7/19** (2006.01)

CPC (source: EP KR)  
**H01Q 1/28** (2013.01 - KR); **H01Q 21/06** (2013.01 - KR); **H04B 7/18513** (2013.01 - EP); **H04B 7/19** (2013.01 - EP KR)

Cited by  
US11070282B2; US11502745B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**WO 2009051907 A1 20090423**; AU 2008314537 A1 20090423; EP 2210289 A1 20100728; EP 2210289 A4 20140521; KR 20100088632 A 20100809

DOCDB simple family (application)  
**US 2008075372 W 20080905**; AU 2008314537 A 20080905; EP 08799216 A 20080905; KR 20107010715 A 20080905