

Title (en)

SYSTEMS FOR CONTINUOUS BIDIRECTIONAL COMMUNICATION BY ATMOSPHERIC LINK

Title (de)

SYSTEME ZUR KONTINUIERLICHEN BIDIREKTIONALEN KOMMUNIKATION ÜBER EINE ATMOSPHERISCHE VERBINDUNG

Title (fr)

SYSTÈMES DE COMMUNICATION BIDIRECTIONNELLE CONTINUE PAR LIAISON ATMOSPHERIQUE

Publication

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Application

EP 14733547 A 20140605

Priority

- FR 1355185 A 20130605
- EP 2014061757 W 20140605

Abstract (en)

[origin: WO2014195431A1] The present invention relates to a system for continuous bidirectional communication by atmospheric link between an infrastructure, and at least one mobile entity in motion with respect to the infrastructure, the optical transponders (3, 4) being each equipped with an auto-pointing system making it possible to ensure communication between the fixed transponders and the onboard transponders, the system being characterized in that each fixed optical transponder is coupled to at least one optical fibre disposed along the infrastructure by way of an optical insertion/extraction device, a central control unit being adapted for commanding the optical insertion/extraction devices and/or the laser emission/reception devices as a function of the position of the mobile entity, in such a way that one of the onboard transponders (4) communicates with a fixed transponder (3) while the other onboard transponder (4) performs an operation of pointing with another fixed transponder (3).

IPC 8 full level

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