

Title (en)

HIGH THROUGHPUT FRACTIONATED SATELLITES

Title (de)

FRAKTIONIERTER SATELLITEN MIT HOHEM DURCHSATZ

Title (fr)

SATELLITES FRACTIONNÉS À HAUT DÉBIT

Publication

EP 3942709 A1 20220126 (EN)

Application

EP 20774081 A 20200305

Priority

- US 201916359533 A 20190320
- US 2020021215 W 20200305

Abstract (en)

[origin: WO2020190517A1] A high throughput fractionated satellite (HTFS) system and method where the functional capabilities of a conventional monolithic spacecraft are distributed across many small or very small satellites and a central command and relay satellite, the satellites are separated and flight in carefully design formations that allows the creation of very large aperture or apertures in space drastically reducing cost and weight and enabling high throughput capabilities by spatially reuse spectrum.

IPC 8 full level

H04B 7/185 (2006.01); **H04B 1/12** (2006.01); **H04B 1/76** (2006.01)

CPC (source: EP KR)

H04B 1/76 (2013.01 - KR); **H04B 7/1853** (2013.01 - EP); **H04B 7/18532** (2013.01 - KR); **H04B 7/1855** (2013.01 - KR)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020190517 A1 20200924; AU 2020241308 A1 20211104; AU 2020241308 B2 20211209; AU 2022201566 A1 20220331; AU 2022201566 B2 20231123; CA 3134030 A1 20200924; EP 3942709 A1 20220126; EP 3942709 A4 20221214; EP 4236085 A2 20230830; EP 4236085 A3 20230927; JP 2022173202 A 20221118; JP 2022526721 A 20220526; JP 7132445 B2 20220906; KR 102454426 B1 20221012; KR 20210136074 A 20211116; KR 20220141918 A 20221020

DOCDB simple family (application)

US 2020021215 W 20200305; AU 2020241308 A 20200305; AU 2022201566 A 20220307; CA 3134030 A 20200305; EP 20774081 A 20200305; EP 23177107 A 20200305; JP 2021555476 A 20200305; JP 2022134447 A 20220825; KR 20217032060 A 20200305; KR 20227035117 A 20200305