

Title (en)

PROTECTED MULTI-OPERATORS PAYLOAD OPERATIONS

Title (de)

GESCHÜTZTE MEHRFACHOPERATOREN-NUTZLASTOPERATIONEN

Title (fr)

OPÉRATIONS DE CHARGE UTILE MULTI-OPÉRATEURS PROTÉGÉES

Publication

**EP 3788754 A1 20210310 (EN)**

Application

**EP 18729003 A 20180504**

Priority

US 2018031222 W 20180504

Abstract (en)

[origin: WO2019212573A1] Systems, methods, and apparatus for protected multi-operators payload operations are disclosed. In one or more embodiments, a disclosed method for protected multi-operators payload operations comprises transmitting, by a hosted payload (HoP) operation center (HOC), encrypted hosted commands to a host spacecraft operations center (SOC). Also, the method comprises transmitting, by the host SOC, encrypted host commands and the encrypted hosted commands to a vehicle. In addition, the method comprises reconfiguring a payload on the vehicle according to unencrypted host commands and unencrypted hosted commands. Additionally, the method comprises transmitting, by a payload antenna on the vehicle, payload data to a host receiving antenna and a hosted receiving antenna. Also, the method comprises transmitting, by a telemetry transmitter on the vehicle, encrypted host telemetry and encrypted hosted telemetry to the host SOC. Further, the method comprises transmitting, by the host SOC, the encrypted hosted telemetry to the HOC.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2019212573A1

Designated contracting state (EPC)

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BA ME

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**WO 2019212573 A1 20191107**; AU 2018421734 A1 20201112; AU 2018421734 B2 20240314; CA 3096587 A1 20191107; CN 112313917 A 20210202; CN 112313917 B 20230627; EP 3788754 A1 20210310; JP 2021530882 A 20211111; JP 7122062 B2 20220819

DOCDB simple family (application)

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