

Title (en)
FIELD EMISSION THRUSTER AND METHOD FOR CALIBRATION AND OPERATION OF A FIELD EMISSION THRUSTER

Title (de)
FELDEMISSIONSANTRIEBSSYSTEM SOWIE VERFAHREN ZUM KALIBRIEREN UND BETREIBEN EINES FELDEMISSIONSANTRIEBSSYSTEMS

Title (fr)
PROPULSEUR À ÉMISSION DE CHAMP ET PROCÉDÉ D'ÉTALONNAGE ET DE FONCTIONNEMENT D'UN PROPULSEUR À ÉMISSION DE CHAMP

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Application
EP 18742465 A 20180716

Priority

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Abstract (en)
[origin: CA3071022A1] The invention relates to a field emission propulsion system (1) for spacecraft, comprising: a control unit (4); a propulsion assembly (2) with a plurality of field emission propulsion units (23) that comprise an ion source with a plurality of ion emitters (222) and extraction electrodes (24), associated with said ion emitters (222) and arranged in a field arrangement; and a plurality of extraction electrode voltage sources (43), each associated with the extraction electrodes (24) to operate same, controlled by the control unit (4), using an individual extraction electrode voltage.

IPC 8 full level
F03H 1/00 (2006.01)

CPC (source: EP)
F03H 1/005 (2013.01)

Citation (opposition)
 Opponent : ENPULSION GmbH

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 Opponent : Enpulsion GmbH

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DE 102017117316 A 20170731; AU 2018312508 A 20180716; CA 3071022 A 20180716; DK 18742465 T 20180716; EP 18742465 A 20180716; EP 2018069251 W 20180716; JP 2020505447 A 20180716; LT 18742465 T 20180716