

Title (en)
FIELD EMISSION PROPULSION SYSTEM AND METHOD FOR CALIBRATING AND OPERATING A FIELD EMISSION PROPULSION SYSTEM

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

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

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Application
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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.

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