Title (en)

CRYOGENIC TANK FILLING ARRANGEMENT AND METHOD

Title (de)

KRYO-BETANKUNGSANORDNUNG UND VERFAHREN

Title (fr)

SYSTÈME DE RAVITAILLEMENT CRYOGÉNIQUE ET PROCÉDÉ

Publication

EP 4222411 A1 20230809 (DE)

Application

EP 21791256 A 20211001

Priority

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Abstract (en)

[origin: WO2022069078A1] A cryogenic tank filling arrangement (1) having a coupling device (2) and a receptacle (3), wherein the coupling device (2) and the receptacle (3) are formed so as to be complementary to one another, wherein the cryogenic tank filling arrangement (1) is transferable from an unlocked state (E), in which the coupling device (2) and the receptacle (3) are received at least partially one in the other, such that the coupling device (2) and the receptacle (3) enclose an intermediate space (11) which is closed off from an environment (U) of the cryogenic tank filling arrangement (11) and is arranged between an end face (9) of the coupling device (2) and an end face (10) of the receptacle, with the aid of a pressure change in the intermediate space (11), into a locked state (V), in which the end face (9) of the coupling device (2) is pressed against the end face (10) of the receptacle (3) on account of the pressure change.

IPC 8 full level

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CPC (source: EP KR US)

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