

Title (en)

METHOD FOR OPENING A VALVE ASSEMBLY FOR A FUEL TANK

Title (de)

VERFAHREN ZUM ÖFFNEN EINER VENTILANORDNUNG FÜR EINEN TREIBSTOFFTANK

Title (fr)

PROCÉDÉ D'OUVERTURE D'UN ENSEMBLE DE SOUPAPES POUR UN RÉSERVOIR DE COMBUSTIBLE

Publication

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Application

EP 20839319 A 20201223

Priority

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Abstract (en)

[origin: WO2021148220A1] The invention relates to a method for opening a valve assembly for a fuel tank, comprising a pilot valve (V1) and at least one additional valve (V2), in particular for use in a fuel cell-operated vehicle, having the steps of applying (30) an amplification voltage (S1) in order to open the pilot valve (V1) in an opening phase (P1) of the pilot valve (V1), deactivating (32) the amplification voltage (S1) in order to terminate the opening phase (P1) of the pilot valve (V1), applying (34) a pull-in voltage (S2) in a pull-in phase (P2) of the pilot valve (V1) in order to hold the pilot valve (V1) open, and activating and deactivating (36) the pull-in voltage (S2) in an alternating manner in order to hold the pilot valve (V1) open and in order to open the at least one other valve (V2) and hold same open in a readjustment phase (P3) such that the hold-open energy required on average for holding the pilot valve (V1) open and the opening energy and/or hold-open energy required on average for the at least one other valve (V2) is provided.

IPC 8 full level

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