

Title (en)
DELIVERY UNIT FOR AN ANODE CIRCUIT OF A FUEL CELL SYSTEM FOR DELIVERING A GASEOUS MEDIUM, AND FUEL CELL SYSTEM

Title (de)
FÖRDERAGGREGAT FÜR EINEN ANODENKREISLAUF EINES BRENNSTOFFZELLENSYSTEMS ZUR FÖRDERUNG EINES GASFÖRMIGEN MEDIUM UND BRENNSTOFFZELLENSYSTEM

Title (fr)
GROUPE DE REFOULEMENT POUR UN CIRCUIT D'ANODES D'UN SYSTÈME DE PILES À COMBUSTIBLE SERVANT À REFOULER UN MILIEU GAZEUX, ET SYSTÈME DE PILES À COMBUSTIBLE

Publication
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Application
EP 20700436 A 20200108

Priority
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• EP 2020050243 W 20200108

Abstract (en)
[origin: WO2020156763A1] Disclosed is a delivery unit (3) for an anode circuit (9) of a fuel cell system (1) for delivering a gaseous medium, in particular hydrogen, from an anode region (38) of a fuel cell (2), said delivery unit (3) comprising at least one jet pump (4) and being at least indirectly fluidically connected to the outlet of the anode region (38) by means of at least one connection line (23, 25) and being fluidically connected to the inlet of the anode region (38) by means of an additional connection line (27). According to the invention, in addition to the jet pump (4), the delivery unit (3) comprises a recirculation fan (8) and a metering valve (6) as other components, and the flow contours of the components (4, 6, 8) for the gaseous medium and/or the components (4, 6, 8) are at least almost entirely arranged in a common housing (7).

IPC 8 full level
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B01D 53/24 (2013.01 - EP KR US); **F04D 23/008** (2013.01 - EP); **F04D 29/706** (2013.01 - EP); **F04F 5/14** (2013.01 - US); **F04F 5/24** (2013.01 - EP KR); **H01M 8/04097** (2013.01 - EP KR US); **H01M 8/04111** (2013.01 - US); **H01M 8/04156** (2013.01 - EP KR); **H01M 8/04164** (2013.01 - US); **H01M 8/0438** (2013.01 - US); **H01M 8/04753** (2013.01 - US); **H01M 8/04761** (2013.01 - US); **H01M 8/0662** (2013.01 - KR); **B01D 2256/16** (2013.01 - EP KR); **B01D 2257/102** (2013.01 - EP KR); **B01D 2257/80** (2013.01 - EP KR); **H01M 2250/20** (2013.01 - US); **Y02E 60/50** (2013.01 - EP)

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