

## Title (en)

CONVEYOR UNIT FOR A FUEL CELL SYSTEM FOR CONVEYING AND/OR CONTROLLING A GASEOUS MEDIUM

## Title (de)

FÖRDERAGGREGAT FÜR EIN BRENNSTOFFZELLEN-SYSTEM ZUR FÖRDERUNG UND/ODER STEUERUNG EINES GASFÖRMIGEN MEDIUMS

## Title (fr)

UNITÉ DE REFOULEMENT POUR SYSTÈME DE PILE À COMBUSTIBLE DESTINÉE AU REFOULEMENT ET/OU À LA COMMANDE D'UN MILIEU GAZEUX

## Publication

**EP 3947978 A1 20220209 (DE)**

## Application

**EP 20712243 A 20200311**

## Priority

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- EP 2020056422 W 20200311

## Abstract (en)

[origin: WO2020200670A1] The invention relates to a conveyor unit (1) for a fuel cell system (31) for conveying and/or controlling a gaseous medium, in particular hydrogen, comprising a jet pump (4), which is driven by a propulsion jet of a pressurized gaseous medium, and a metering valve (6), an outlet of the conveyor unit (1) being fluidically connected to an anode inlet (15) of a fuel cell (29). The jet pump (4) has a suction region (7), a mixing tube (18), and a diffuser (20), wherein the diffuser (20) is at least indirectly fluidically connected to the anode inlet (15) of the fuel cell (29), and the gaseous medium flows through the jet pump (4) at least partly in the direction of a first flow direction (V) which runs parallel to a first longitudinal axis (39) of the mixing tube (18). According to the invention, a second longitudinal axis (40) of the diffuser (20) is curved or inclined relative to the first longitudinal axis (39) of the mixing tube (18).

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## DOCDB simple family (application)

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