

Title (en)

PUMP UNIT FOR REDUCING AGENT OF AN EXHAUST-GAS PURIFICATION SYSTEM

Title (de)

PUMPENEINHEIT FÜR REDUKTIONSMITTEL EINER ABGASREINIGUNGSANLAGE

Title (fr)

UNITÉ POMPE POUR AGENT DE RÉDUCTION D'UNE INSTALLATION D'ÉPURATION DE GAZ D'ÉCHAPPEMENT

Publication

EP 3215739 B1 20200422 (DE)

Application

EP 15790158 A 20151105

Priority

- DE 102014222743 A 20141106
- EP 2015075806 W 20151105

Abstract (en)

[origin: WO2016071443A1] A pump unit for reducing agents in an exhaust gas purification system for an internal combustion engine of a motor vehicle comprises a pump stage (18) that includes a reinforcement ring (28, 29) in a membrane (20). The reinforcement ring (28, 29) is pressed into housing parts (21-23) of the pump stage (18), thereby rendering the sealing tightness of the pump stage (18) highly reliable.

IPC 8 full level

F04B 43/02 (2006.01)

CPC (source: CN EP US)

F01N 3/2066 (2013.01 - US); **F04B 43/02** (2013.01 - CN); **F04B 43/025** (2013.01 - EP US); **F01N 2610/1433** (2013.01 - US); **F04B 53/008** (2013.01 - US)

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DOCDB simple family (publication)

WO 2016071443 A1 20160512; CN 107076135 A 20170818; CN 107076135 B 20200811; DE 102014222743 A1 20160512; EP 3215739 A1 20170913; EP 3215739 B1 20200422; US 10378528 B2 20190813; US 2018306177 A1 20181025

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EP 2015075806 W 20151105; CN 201580060245 A 20151105; DE 102014222743 A 20141106; EP 15790158 A 20151105; US 201515524771 A 20151105