

Title (en)

DEVICE AND METHOD FOR WARMING A REDUCTANT IN AN SCR SYSTEM FOR A MOTOR VEHICLE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERWÄRMUNG EINES REDUKTIONSMITTELS IN EINEM SCR-SYSTEM FÜR EIN MOTORFAHRZEUG

Title (fr)

DISPOSITIF ET PROCEDE POUR CHAUFFER UN AGENT REDUCTEUR DANS UN SYSTEME SCR POUR VEHICULE MOTORISE

Publication

**EP 2524122 A4 20151125 (EN)**

Application

**EP 11733145 A 20110110**

Priority

- SE 1050024 A 20100114
- SE 2011050013 W 20110110

Abstract (en)

[origin: WO2011087430A1] The invention relates to a method for warming a reductant in an SCR system which comprises a container (205) for said reductant and a dosing unit (250). The method comprises the step of extracting at least part of said reductant from said container (205) and warming said at least part by means of at least one warming element (261; 262; 263; 264; 265) outside said container (205). The method further comprises the step of returning the warmed part of said reductant to the container (205) before dosing of said warmed part via the dosing unit (250) commences in the SCR system. The invention relates also to a computer programme product comprising programme code (P) for a computer (200; 210) for implementing a method according to the invention. The invention relates also to a device and to a motor vehicle which is equipped with the device.

IPC 8 full level

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CPC (source: EP SE)

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Citation (search report)

- [X] EP 1602805 A1 20051207 - MAN NUTZFAHRZEUGE AG [DE]
- [A] FR 2917791 A1 20081226 - INERGY AUTOMOTIVE SYSTEMS RES [BE]
- [A] WO 2009112516 A1 20090917 - INERGY AUTOMOTIVE SYSTEMS RES [BE], et al
- [A] EP 2080874 A2 20090722 - DBK DAVID & BAADER GMBH [DE]
- See also references of WO 2011087430A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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