

Title (en)

EFFICIENT MIXING OF GASES IN AN EXHAUST AFTERTREATMENT SYSTEM

Title (de)

EFFIZIENTES MISCHEN VON GASEN IN EINEM ABGASNACHBEHANDLUNGSSYSTEM

Title (fr)

MÉLANGE EFFICACE DE GAZ DANS UN SYSTÈME POST-TRAITEMENT D'ÉCHAPPEMENT

Publication

**EP 3670857 A1 20200624 (EN)**

Application

**EP 18214589 A 20181220**

Priority

EP 18214589 A 20181220

Abstract (en)

In an exhaust aftertreatment system (110), an inlet (136) for a selective catalytic reduction (SCR) device (120) having SCR catalysts (132, 134) arranged in tandem within a housing (126). The inlet (136) includes a tube (138) extending in an axial direction and offset from the longitudinal axis A of the circular or oval cross section housing (126) of the SCR device (120). A scroll section (146), integral with tube (138), provides an opening (148) which imparts a tangential swirl direction to the gas and DEF mixture entering the SCR device (120).

IPC 8 full level

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CPC (source: EP)

**F01N 3/2066** (2013.01); **F01N 3/2892** (2013.01); **F01N 13/0093** (2014.06); **F01N 13/0097** (2014.06); **F01N 2240/20** (2013.01); **F01N 2470/18** (2013.01)

Citation (search report)

- [XYI] DE 102012008556 A1 20131031 - IAV GMBH [DE]
- [X] US 2014318112 A1 20141030 - SOLBRIG CHARLES E [US], et al
- [Y] EP 2607641 A1 20130626 - MTU FRIEDRICHSHAFEN GMBH [DE], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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