

Title (en)
FLEXIBLE EXHAUST PIPE COUPLING

Title (de)
FLEXIBLE ABGASROHRKUPPLUNG

Title (fr)
RACCORD FLEXIBLE POUR TUYAU D'ÉCHAPPEMENT

Publication
EP 1966467 A4 20100310 (EN)

Application
EP 05855286 A 20051222

Priority
US 2005046701 W 20051222

Abstract (en)
[origin: WO2007078274A2] A device for connecting pipes in a heavy truck exhaust system includes a flexible sleeve joined to both connecting pipes and a flow guide connected or formed to an upstream pipe and extending through the flexible sleeve into the downstream pipe. The flow guide may have a frustoconical shape converging toward an outlet end with an outlet rim that flares radially outward. An inlet rim of the downstream pipe converges radially inward to prevent backflow into the joint region.

IPC 8 full level
F16L 21/00 (2006.01); **F01N 13/18** (2010.01)

CPC (source: EP US)
F01N 13/1816 (2013.01 - EP US); **F01N 2470/12** (2013.01 - EP US); **F01N 2470/30** (2013.01 - EP US); **F01N 2590/08** (2013.01 - EP US)

Citation (search report)

- [X] US 6167622 B1 20010102 - CWIK SCOTT [US]
- [X] US 6151893 A 20001128 - WATANABE SHOUJI [JP], et al
- [X] US 5011194 A 19910430 - NITTA SHIGEMITSU [JP]
- [X] US 6488313 B1 20021203 - THOMAS R WINFIELD [US]
- [X] WO 03056151 A1 20030710 - EMITEC EMISSIONSTECHNOLOGIE [DE], et al
- See references of WO 2007078274A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007078274 A2 20070712; WO 2007078274 A3 20090423; CA 2633310 A1 20070712; EP 1966467 A2 20080910; EP 1966467 A4 20100310; US 2009077956 A1 20090326

DOCDB simple family (application)
US 2005046701 W 20051222; CA 2633310 A 20051222; EP 05855286 A 20051222; US 8614308 A 20080606