

Title (en)
Injection apparatus with reduced acoustic radiations

Title (de)
Einspritzanordnung mit verringerter Schallabstrahlung

Title (fr)
Dispositif d'injection à rayonnement acoustique réduit

Publication
EP 1647705 A1 20060419 (FR)

Application
EP 05300716 A 20050905

Priority
FR 0410339 A 20040930

Abstract (en)
The device has units that are movable between a position for closing an orifice and a position for opening the orifice. Actuating units displace the movable units between the two positions. Damping units (30) reduce the amplitude of axial vibrations of an injection nozzle holder (10) resulting from the movements of the movable units and/or the action of the actuating units, at a predetermined frequency.

IPC 8 full level
F02M 61/16 (2006.01)

CPC (source: EP)
F02M 51/0603 (2013.01); **F02M 61/16** (2013.01); **F02M 2200/306** (2013.01)

Citation (search report)

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- [X] DE 10057495 A1 20020529 - SIEMENS AG [DE]
- [X] US 5127585 A 19920707 - MESENICH GERHARD [DE]
- [A] US 4878650 A 19891107 - DALY PAUL D [US], et al

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EP2236808A3; EP2236808A2

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)
FR 2875863 A1 20060331; FR 2875863 B1 20090501; AT E455955 T1 20100215; DE 602005019011 D1 20100311; EP 1647705 A1 20060419; EP 1647705 B1 20100120

DOCDB simple family (application)
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