

Title (en)
Solenoid valve

Title (de)
Magnetventil

Title (fr)
Electrovanne

Publication
EP 1306546 B1 20080305 (DE)

Application
EP 02022595 A 20021009

Priority
DE 10152172 A 20011023

Abstract (en)
[origin: EP1306546A2] The magnetic valve has a magnetic component group (22) and an injector body (23) coupled together via a fixing ring (24) with 2 rolled edges (24a,24b) cooperating with corresponding grooves (23a) and/or projections (22b) provided by the injector body and the magnetic component group. The fixing ring can be made of an elastic material, e.g. a rust-reistant steel alloy.

IPC 8 full level
F02M 61/16 (2006.01); **F02M 47/02** (2006.01); **F02M 59/46** (2006.01)

CPC (source: EP US)
F02M 47/027 (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 63/0017** (2013.01 - EP US); **F02M 2200/8053** (2013.01 - EP US)

Cited by
DE102012208075A1; US10174729B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1306546 A2 20030502; EP 1306546 A3 20040428; EP 1306546 B1 20080305; DE 10152172 A1 20030430; DE 50211821 D1 20080417; JP 2003148298 A 20030521; JP 3793494 B2 20060705; US 2003094516 A1 20030522; US 6827332 B2 20041207

DOCDB simple family (application)
EP 02022595 A 20021009; DE 10152172 A 20011023; DE 50211821 T 20021009; JP 2002307470 A 20021022; US 27904602 A 20021022