

Title (en)
Solenoid valve

Title (de)
Magnetventil

Title (fr)
Electrovanne

Publication
EP 0856857 A2 19980805 (EN)

Application
EP 98300502 A 19980126

Priority
JP 2954697 A 19970128

Abstract (en)
A solenoid valve (1) comprises a fixed core (10), a bottomed tube (20) formed of a non-magnetic material and having a bottom (21), a movable core (30) slidably received within the bottomed tube (20) and opposed to the fixed core (10) with a gap therebetween, and a solenoid (60) for causing the movable core (30) to operate. The solenoid valve (1) also comprises a protruding portion (25,25') which is formed on the bottom (21) of the bottomed tube (20) and which protrudes in a direction of sliding of the movable core (30). The protruding portion (25,25') may comprise a plurality of convex-shaped protruding portions (25), a ridge-shaped protruding portion (25,25') extending along a whole circumference of the bottom (21) of the tube (20) or a plurality of ridge-shaped protruding portions (25,25') formed at circumferential equal intervals along a circumference of the tube bottom (21). The or each protruding portion (25,25') has a predetermined height. <IMAGE>

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H01F 27/28

IPC 8 full level
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CPC (source: EP)
H01F 7/088 (2013.01); **H01F 7/1607** (2013.01)

Cited by
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DE IT

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