

Title (en)
SHIELDED MAGNETIC REED SWITCH

Title (de)
ABGESCHIRMTER MAGNETISCHER REED-SCHALTER.

Title (fr)
INTERRUPTEUR A LAMES SOUPLES MAGNETIQUE BLINDE

Publication
EP 1579729 A4 20050928 (EN)

Application
EP 00920144 A 20000405

Priority
• US 0008997 W 20000405
• US 31345699 A 19990517
• US 51805800 A 20000302

Abstract (en)
[origin: WO0070914A2] A shielded magnetic reed switch provides a magnetic reed switch disposed within a ferrous metal housing so that the ferrous metal housing shields the magnetic reed switch from magnetic flux. The shielded magnetic reed switch of the present invention remains unactuated until the ferrous metal housing is fully saturated and the magnetic flux required to actuate the magnetic reed switch is available within the ferrous metal housing. The present invention further provides a sensor for detecting the presence of an approaching magnetic field source at a predetermined distance between the shielded magnetic reed switch and the approaching magnetic field source.

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IPC 8 full level
H01H 36/00 (2006.01); **A61M 25/01** (2006.01); **A61J 15/00** (2006.01)

CPC (source: EP)
A61M 25/0127 (2013.01); **H01H 36/0013** (2013.01); **H01H 36/0033** (2013.01)

Citation (search report)
• [X] US 5668533 A 19970916 - JACKSON JR JOHN T [US], et al
• [X] US 3406267 A 19681015 - KOHLS JAMES P
• [A] US 4628162 A 19861209 - REINARTZ HANS-DIETER [DE], et al
• See references of WO 0070914A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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