

Title (en)
MAGNETIC COIL ARRANGEMENT

Title (de)
MAGNETSPULENANORDNUNG

Title (fr)
ENSEMBLE BOBINE D'EXCITATION

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Application
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Abstract (en)
[origin: WO0191140A1] The invention relates to a magnetic coil arrangement (10), with a wound coil body (12) and with a metal housing (13), surrounding the wound coil body and retaining contact terminals (15) in a plug socket (14), one of which serves as earth contact. The contact terminal, serving as the earth contact, is fixed to the metal housing by means of a metallic connector piece (21). The free spaces between the wound coil body, the metal housing and the plug socket are injected with plastic. Moisture can enter the magnetic coil arrangement at the boundaries between metal parts and plastic. In order to prevent said moisture reaching the connector region, in which electrical supply lines from outside are connected to the contact terminals, the region of the contact terminal serving as earth connection which the connector piece engages with, is arranged within the plug socket. A sealing piece (23) is arranged between the connector piece and the plug socket, with a first sealing surface engaging with the connector piece and a further sealing surface engaging with the plug socket. The magnetic coil arrangement is for the operation of valves, for application in fluid technology.

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