

Title (en)
ELECTROMAGNETIC RELAY ASSEMBLY

Title (de)
ELEKTROMAGNETISCHE RELAISBAUGRUPPE

Title (fr)
ENSEMBLE RELAIS ÉLECTROMAGNÉTIQUE

Publication
EP 2394284 A4 20140305 (EN)

Application
EP 09839781 A 20090204

Priority
US 2009000698 W 20090204

Abstract (en)
[origin: WO2010090618A2] An electromagnetic relay enables current to pass through switch termini and comprises a coil assembly, a rotor or bridge assembly, and a switch assembly. The coil assembly comprises a coil and a C-shaped core. The coil is wound round a coil axis extending through the core. The core comprises core termini parallel to the coil axis. The bridge assembly comprises a bridge and an actuator. The bridge comprises medial, lateral, and transverse field pathways. The actuator extends laterally from the lateral field pathway. The core termini are coplanar with the axis of rotation and received intermediate the medial and lateral field pathways. The actuator is cooperable with the switch assembly. The coil creates a magnetic field directable through the bridge assembly via the core termini for imparting bridge rotation about the axis of rotation. The bridge rotation displaces the actuator for opening and closing the switch assembly.

IPC 8 full level
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CPC (source: EP KR)
H01H 1/18 (2013.01 - EP); **H01H 1/26** (2013.01 - EP); **H01H 1/50** (2013.01 - EP); **H01H 50/18** (2013.01 - KR); **H01H 50/56** (2013.01 - EP); **H01H 51/22** (2013.01 - KR); **H01H 51/2227** (2013.01 - EP); **H01H 1/54** (2013.01 - EP); **H01H 50/641** (2013.01 - EP); **H01H 51/2272** (2013.01 - EP)

Citation (search report)

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