

Title (en)
Electromagnetic Relay and Method for Assembling the Same

Title (de)
Elektromagnetisches Relais und Montageverfahren dafür

Title (fr)
Relais électromagnétique et son procédé d'assemblage

Publication
EP 2251886 A1 20101117 (EN)

Application
EP 09160229 A 20090514

Priority
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Abstract (en)
An electromagnetic relay includes a casing (2), and a relay coremember sealed in the casing (2) and including an electromagnetic unit (3) and a terminal unit (4). The electromagnetic unit (3) includes a spool frame set (31) having an engagement portion, a coil unit (32) wound on the spool frame set (31), and a pair of coil winding pins (33). Each of the coil winding pins (33) has a conductive portion (331) exposed from one of opposite first sides (31a) of the spool frame set (31), and a coil winding portion (332) extending along one of opposite second sides (31b) of the spool frame set (31). The terminal unit (4) includes an engaging block (41) having an engagement portion connected to the engagement portion of the spool frame set (31) for preventing separation of the terminal unit (4) from the electromagnetic unit (3), a terminal set (42), and an armature component (43).

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Citation (applicant)
• EP 0720194 A1 19960703 - OMRON TATEISI ELECTRONICS CO [JP]
• EP 0313385 A2 19890426 - NEC CORP [JP]

Citation (search report)
• [XY] EP 0720194 A1 19960703 - OMRON TATEISI ELECTRONICS CO [JP]
• [X] EP 1164613 A1 20011219 - OMRON TATEISI ELECTRONICS CO [JP]
• [X] EP 0613163 A2 19940831 - OMRON TATEISI ELECTRONICS CO [JP]
• [YA] EP 0313385 A2 19890426 - NEC CORP [JP]
• [X] EP 0142061 A1 19850522 - SIEMENS AG [DE]
• [XA] EP 1246214 A2 20021002 - TAKAMISAWA ELECTRIC CO [JP]
• [X] EP 1916688 A1 20080430 - OMRON TATEISI ELECTRONICS CO [JP]
• [X] WO 8810505 A1 19881229 - PED LTD [GB]

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