

Title (en)
Low voltage circuit breaker

Title (de)
Niederspannungsschutzschalter

Title (fr)
Disjoncteur basse tension

Publication
EP 1280177 A1 20030129 (EN)

Application
EP 01202800 A 20010723

Priority
EP 01202800 A 20010723

Abstract (en)
A low voltage circuit breaker (1) comprising a case which contains at least one fixed contact (2) electrically connected to a terminal which is suitable for connection with an electric circuit (3), a movable conductive arm (4) provided with at least one contact piece (5), and actuating means (10) which are operatively connected to the movable conductive arm (4) and supply the energy for moving it, characterized in that said actuating means (10) comprise a piezoelectric motor (11) which is mechanically linked to said movable conductive arm (4); and a command and control unit (30) which, following an intervention command, drives said piezoelectric motor (11) so that it actuates the movable conductive arm (4) and allows electrical coupling/uncoupling of said contact piece (5) with respect to said fixed contact (2). <IMAGE>

IPC 1-7
H01H 57/00

IPC 8 full level
H01H 57/00 (2006.01)

CPC (source: EP)
H01H 57/00 (2013.01); **H01H 1/2041** (2013.01)

Citation (search report)
• [Y] EP 0612092 A1 19940824 - MERLIN GERIN [FR]
• [Y] US 5170088 A 19921208 - NAITO KOICHI [JP], et al
• [Y] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 05 31 May 1999 (1999-05-31)

Designated contracting state (EPC)
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