

Title (en)
ACTUATOR

Title (de)
BETÄTIGER

Title (fr)
ACTIONNEUR

Publication
EP 2478538 A1 20120725 (DE)

Application
EP 10739362 A 20100802

Priority
• DE 102009041694 A 20090916
• EP 2010061232 W 20100802

Abstract (en)
[origin: WO2011032775A1] The invention relates to an actuator (1) for switching a switching unit, said actuator comprising a mechanical display, wherein the mechanical display comprises a plurality of windows (10) and a plurality of display surfaces (8) identifiable through said windows (10). The invention further relates to an electromechanic control device having a switching unit that can be switched by such an actuator (1). The invention is characterized in that the display surfaces (8) are connected by means of a spring bar (9) attached to the actuating head (2) of the actuator (1) and together with the spring bar (9) partially move in a rotational manner about a rotating axis during an actuating movement of the actuating head (2). The rotational axis is substantially perpendicular to the actuating movement of the actuating head (2) and the display surfaces (8) are visible through the annular windows (10) in the actuating head (2).

IPC 8 full level
H01H 9/16 (2006.01)

CPC (source: EP KR)
H01H 9/16 (2013.01 - KR); **H01H 9/165** (2013.01 - EP); **H01H 13/14** (2013.01 - KR); **H01H 13/58** (2013.01 - EP)

Citation (search report)
See references of WO 2011032775A1

Citation (examination)
DE 102007046999 B3 20090102 - SIEMENS AG [DE]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
DE 102009041694 A1 20110324; BR 112012005812 A2 20160223; CN 102498534 A 20120613; CN 102498534 B 20150506; EP 2478538 A1 20120725; KR 20120081143 A 20120718; KR 20160093113 A 20160805; WO 2011032775 A1 20110324

DOCDB simple family (application)
DE 102009041694 A 20090916; BR 112012005812 A 20100802; CN 201080040733 A 20100802; EP 10739362 A 20100802; EP 2010061232 W 20100802; KR 20127009569 A 20100802; KR 20167020772 A 20100802