

Title (en)
CAPACITIVE TOUCH SWITCH

Title (de)
KAPAZITIVER BERÜHRUNGSSCHALTER

Title (fr)
COMMUTATEUR TACTILE CAPACITIF

Publication
EP 3369179 A1 20180905 (DE)

Application
EP 15832730 A 20151030

Priority
EP 2015002184 W 20151030

Abstract (en)
[origin: WO2017071725A1] The invention relates to a capacitive touch switch for an operating device of an electronic household appliance, comprising an at least partially translucent cover plate having a user side facing a user, a carrier plate arranged on a side of the cover plate facing away from the user side and at a distance from same, and a light source (34) mounted on the carrier plate (16). The touch switch also has a sensor plate (20) arranged between the cover plate (10) and the carrier plate (16), and an at least partially translucent substrate (22) and a sensor layer (24a, 24b) made of a electrically conductive material. In addition, the sensor layer (24a, 24b) has a sensor region (28) made of the electrically conductive material for forming a sensor electrode, and a symbol region (32) without the electrically conductive material for forming a symbol that can be backlit by the light source (34).

IPC 8 full level
H03K 17/96 (2006.01); **F24C 7/08** (2006.01)

CPC (source: EP US)
G06F 3/0445 (2019.04 - EP US); **H03K 17/962** (2013.01 - EP US); **H03K 17/9622** (2013.01 - US); **F24C 7/086** (2013.01 - EP US); **H03K 2017/9602** (2013.01 - EP US); **H03K 2217/960755** (2013.01 - EP US); **H03K 2217/960785** (2013.01 - EP US)

Citation (search report)
See references of WO 2017071725A1

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2017071725 A1 20170504; EP 3369179 A1 20180905; US 2018248547 A1 20180830

DOCDB simple family (application)
EP 2015002184 W 20151030; EP 15832730 A 20151030; US 201815966094 A 20180430