

Title (en)  
OPERATOR CONTROL APPARATUS, IN PARTICULAR FOR AN ELECTRONIC DOMESTIC APPLIANCE

Title (de)  
BEDIENVORRICHTUNG, INSBESONDERE FÜR EIN ELEKTRONISCHES HAUSHALTSGERÄT

Title (fr)  
DISPOSITIF DE COMMANDE, EN PARTICULIER POUR UN APPAREIL MÉNAGER ÉLECTRONIQUE

Publication  
**EP 3433931 A1 20190130 (DE)**

Application  
**EP 16715448 A 20160321**

Priority  
EP 2016000491 W 20160321

Abstract (en)  
[origin: WO2017162255A1] An operator control apparatus which is designed as a slide controller has: a covering plate (10) with a user side (10a) which faces a user, wherein the covering plate (10) has an operator control panel (12) with a plurality of operator control panel sections (12a..f) which are arranged along an operator control line; a plurality of optical sensors, wherein at least one transmitter (16a..f) of the plurality of optical sensors for emitting electromagnetic radiation and at least one receiver (18a..f) of the plurality of optical sensors for detecting electromagnetic radiation are associated with each of the plurality of operator control panel sections (12a..f); and a control electronics system (30) for evaluating measurement signals which are generated by the at least one receiver (18a..f) of the plurality of optical sensors. The plurality of operator control panel sections (12a..f) of the operator control panel (12) of the covering plate (10) are in this case each configured in such a way that they can be at least partially elastically deformed and/or moved by a pressure force (28) from the user side (10a) of the covering plate (10), and in that they at least partially reflect radiation which is emitted by the transmitter (16a..f) which is associated with them. The at least one receiver (18a..f) is arranged and/or configured in such a way that it allows spatially resolved detection of the radiation which is reflected by the operator control panel section (12a..f) with which the at least one receiver is associated, and the control electronics system (30) detects operation of the operator control panel section (12a..f) with which the at least one receiver is associated, depending on a detection location of the reflected radiation on this receiver (18a.. f).

IPC 8 full level  
**H03K 17/96** (2006.01); **H03K 17/969** (2006.01)

CPC (source: EP)  
**H03K 17/9636** (2013.01); **H03K 17/969** (2013.01); **H03K 2217/96066** (2013.01)

Citation (search report)  
See references of WO 2017162255A1

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 2017162255 A1 20170928**; CN 109075785 A 20181221; CN 109075785 B 20220415; EP 3433931 A1 20190130

DOCDB simple family (application)  
**EP 2016000491 W 20160321**; CN 201680083813 A 20160321; EP 16715448 A 20160321