

Title (en)
ALARM PANE ARRANGEMENT

Title (de)
ALARMSCHEIBENANORDNUNG

Title (fr)
DISPOSITIF DE VITRE D'ALARME

Publication
EP 3378044 A1 20180926 (DE)

Application
EP 16809656 A 20161119

Priority
• EP 15195333 A 20151119
• EP 2016078214 W 20161119

Abstract (en)
[origin: WO2017085302A1] The present invention relates to an alarm pane arrangement (10, 10') comprising: - at least one first pane (1) which is composed of tempered glass, having an outside surface (I) and an inside surface (II), - at least one transparent, electrically conductive coating (3) which is arranged on the inside surface (II) of the first pane (1), - a sensor unit (20) with a capacitive sensor (21) which is capacitively coupled to the transparent, electrically conductive coating (3), wherein the sensor unit (20) outputs an alarm signal in the event of deviations in a measurement signal of the capacitive sensor (21) from a comparison value, wherein the capacitive sensor (21) contains i) precisely one measuring electrode (21.1) or ii) a measuring electrode (21.1) and a reference ground electrode (21.2) or iii) a measuring electrode (21.1), a reference ground electrode (21.2) and at least one compensation electrode (21.3), and wherein the measuring electrode (21.1) is DC-isolated from the transparent, electrically conductive coating (3).

IPC 8 full level
G08B 13/04 (2006.01); **H10N 10/80** (2023.01)

CPC (source: EP KR RU US)
B32B 17/06 (2013.01 - RU); **C03C 17/36** (2013.01 - RU); **C03C 17/3618** (2013.01 - RU); **C03C 17/3626** (2013.01 - RU); **G01N 27/22** (2013.01 - US); **G01R 27/2611** (2013.01 - KR); **G08B 13/04** (2013.01 - EP KR RU US); **G08B 21/182** (2013.01 - KR); **G08C 17/02** (2013.01 - KR); **G08C 23/04** (2013.01 - KR); **H02S 40/38** (2014.12 - KR); **H10N 10/80** (2023.02 - KR); **Y02E 10/50** (2013.01 - EP); **Y02E 70/30** (2013.01 - EP)

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 2017085302 A1 20170526; BR 112018000357 A2 20180911; CA 2994235 A1 20170526; CN 108352101 A 20180731; EP 3378044 A1 20180926; JP 2018535465 A 20181129; KR 101972720 B1 20190816; KR 20180030874 A 20180326; MX 2018006125 A 20180801; RU 2703171 C1 20191015; US 10242542 B2 20190326; US 2018197388 A1 20180712

DOCDB simple family (application)
EP 2016078214 W 20161119; BR 112018000357 A 20161119; CA 2994235 A 20161119; CN 201680067203 A 20161119; EP 16809656 A 20161119; JP 2018512886 A 20161119; KR 20187004591 A 20161119; MX 2018006125 A 20161119; RU 2018109088 A 20161119; US 201615741258 A 20161119