

Title (en)

TRANSPARENT CONDUCTIVE COATING FOR CAPACITIVE TOUCH PANEL AND METHOD OF MAKING SAME

Title (de)

TRANSPARENTE LEITFÄHIGE BESCHICHTUNG FÜR KAPAZITIVE BERÜHRUNGSTAFEL UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

REVÊTEMENT CONDUCTEUR TRANSPARENT DESTINÉ À UN ÉCRAN TACTILE CAPACITIF ET SON PROCÉDÉ DE FABRICATION

Publication

**EP 3738021 A1 20201118 (EN)**

Application

**EP 19705819 A 20190111**

Priority

- US 201815867917 A 20180111
- IB 2019050227 W 20190111

Abstract (en)

[origin: WO2019138370A1] A multi-layer conductive coating is substantially transparent to visible light, contains at least one conductive layer that is sandwiched between at least a pair of dielectric layers, and may be used as an electrode and/or conductive trace in a capacitive touch panel. The multi-layer conductive coating may contain a dielectric layer(s), and may be used in applications such as capacitive touch panels for controlling showers, appliances, vending machines, electronics, electronic devices, and/or the like. In certain example embodiments, different electrodes of the touch panel may be formed by different silver based layers of the same or different multi-layer coatings. In patterning the electrodes, different laser scribing wavelengths may be used to pattern different respective conductive layers, of the same or different multi-layer coating(s), in certain example embodiments.

IPC 8 full level

**G06F 3/044** (2006.01); **B32B 7/00** (2019.01)

CPC (source: EP)

**G06F 3/0443** (2019.04); **G06F 3/0445** (2019.04); **G06F 3/0446** (2019.04); **G06F 3/0412** (2013.01); **G06F 2203/04103** (2013.01)

Citation (search report)

See references of WO 2019138370A1

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 2019138370 A1 20190718**; BR 112020009830 A2 20201103; CA 3079814 A1 20190718; CN 111492335 A 20200804; EP 3738021 A1 20201118; JP 2021510438 A 20210422; RU 2020126578 A 20220211; RU 2020126578 A3 20220211

DOCDB simple family (application)

**IB 2019050227 W 20190111**; BR 112020009830 A 20190111; CA 3079814 A 20190111; CN 201980006130 A 20190111; EP 19705819 A 20190111; JP 2020538646 A 20190111; RU 2020126578 A 20190111