

Title (en)
LIGHT-TRANSMISSIVE CONDUCTOR WITH DIRECTIONAL CONDUCTIVITY

Title (de)
LICHTDURCHLÄSSIGER LEITER MIT GERICHTETER LEITFÄHIGKEIT

Title (fr)
CONDUCTEUR TRANSMETTANT LA LUMIÈRE À CONDUCTIVITÉ DIRECTIONNELLE

Publication
EP 4034942 A4 20230823 (EN)

Application
EP 20868339 A 20200925

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• US 2020052610 W 20200925

Abstract (en)
[origin: WO2021062075A1] Light-transmissive conductors including oriented conductors disposed in a light-transmissive polymer having a volume resistivity between 1×10^{10} ohm-cm and 1×10^4 ohm-cm. The oriented conductors typically have very high conductivity along their length. Light-transmissive conductors described herein are well-suited for front electrodes for electro-optic displays, especially elongated displays in the shape of ribbons, stripes, or rulers.

IPC 8 full level
G02F 1/1343 (2006.01); **G02F 1/167** (2019.01); **G02F 1/1676** (2019.01); **H01B 1/02** (2006.01); **D03D 15/547** (2021.01); **H01B 5/14** (2006.01)

CPC (source: CN EP)
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G02F 1/13439 (2013.01 - EP); **G02F 1/167** (2013.01 - CN); **G02F 1/16757** (2019.01 - CN); **G02F 1/1676** (2019.01 - EP);
H01B 1/02 (2013.01 - CN EP); **H01B 5/12** (2013.01 - CN); **H01B 5/14** (2013.01 - EP)

Citation (search report)
• [XYI] US 2014085573 A1 20140327 - PELLERITE MARK J [US], et al
• [IJ] US 2018363173 A1 20181220 - KEATING STEVEN J [US], et al
• [Y] US 2017068125 A1 20170309 - PAOLINI JR RICHARD J [US], et al
• [A] US 2017130053 A1 20170511 - WU ZIYAN [US], et al
• See also references of WO 2021062075A1

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

DOCDB simple family (publication)
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TW 202232215 A 20220816; TW I785981 B 20221201; TW I821598 B 20231111

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US 2020052610 W 20200925; CN 202080065794 A 20200925; EP 20868339 A 20200925; TW 109133477 A 20200926;
TW 111103946 A 20200926