

Title (en)
SOLID IONICALLY CONDUCTING POLYMER MATERIAL

Title (de)
FESTES, IONISCH LEITENDES POLYMER MATERIAL

Title (fr)
MATÉRIAU POLYMÈRE SOLIDE CONDUCTEUR D'IONS

Publication
EP 3295503 A4 20190109 (EN)

Application
EP 16793236 A 20160506

Priority
• US 201562158841 P 20150508
• US 2016031124 W 20160506

Abstract (en)
[origin: WO2016182884A1] A solid, ionically conductive, polymer material with a crystallinity greater than 30%; a glassy state; and both at least one cationic and anionic diffusing ion, wherein each diffusing ion is mobile in the glassy state.

IPC 8 full level
H01M 8/1018 (2016.01); **H01M 4/02** (2006.01); **H01M 4/13** (2010.01); **H01M 4/62** (2006.01); **H01M 8/1046** (2016.01); **H01M 8/1048** (2016.01); **H01M 8/1067** (2016.01); **H01M 10/052** (2010.01); **H01M 10/0525** (2010.01); **H01M 10/0565** (2010.01); **H01M 10/24** (2006.01); **H01M 50/417** (2021.01); **H01M 50/489** (2021.01); **H01M 50/497** (2021.01)

CPC (source: EP KR US)
C08L 101/12 (2013.01 - KR); **H01B 1/122** (2013.01 - KR); **H01M 4/602** (2013.01 - EP KR); **H01M 4/622** (2013.01 - EP KR); **H01M 8/1018** (2013.01 - EP KR); **H01M 8/1067** (2013.01 - EP KR); **H01M 8/1072** (2013.01 - KR); **H01M 10/0525** (2013.01 - EP KR); **H01M 10/0565** (2013.01 - EP KR); **H01M 10/24** (2013.01 - EP KR); **H01M 50/417** (2021.01 - EP KR US); **H01M 50/489** (2021.01 - EP KR US); **H01M 50/497** (2021.01 - EP KR US); **H01M 2300/0082** (2013.01 - EP KR); **Y02E 60/10** (2013.01 - EP KR); **Y02E 60/50** (2013.01 - EP KR)

Citation (search report)
• [XP] WO 2015153729 A1 20151008 - ZIMMERMAN MICHAEL A [US], et al
• [XP] WO 2015084940 A1 20150611 - ZIMMERMAN MICHAEL A [US], et al
• See references of WO 2016182884A1

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)
WO 2016182884 A1 20161117; CN 108028406 A 20180511; CN 108028406 B 20220118; EP 3295503 A1 20180321; EP 3295503 A4 20190109; JP 2018522083 A 20180809; JP 2021141074 A 20210916; JP 7510240 B2 20240703; KR 102594870 B1 20231026; KR 20180039581 A 20180418; SG 10201811815V A 20190227

DOCDB simple family (application)
US 2016031124 W 20160506; CN 201680040454 A 20160506; EP 16793236 A 20160506; JP 2017558496 A 20160506; JP 2021085203 A 20210520; KR 20177034871 A 20160506; SG 10201811815V A 20160506