

Title (en)
PERFORATED FILM

Title (de)
PERFORIERTE FOLIE

Title (fr)
MEMBRANE PERFORÉE

Publication
EP 2506958 A1 20121010 (DE)

Application
EP 10774209 A 20101104

Priority
• DE 102009047440 A 20091203
• DE 102010001702 A 20100209
• EP 2010066798 W 20101104

Abstract (en)
[origin: WO2011067064A1] The invention relates to a perforated film that has a thickness of less than 20 µm, a tensile strength of 2 N/cm to 40 N/cm, and a perforated surface area of 10% to 90%.

IPC 8 full level
B01D 71/00 (2006.01); **B32B 3/24** (2006.01); **B32B 27/12** (2006.01); **C08J 5/18** (2006.01); **H01M 50/414** (2021.01); **H01M 50/417** (2021.01); **H01M 50/42** (2021.01); **H01M 50/423** (2021.01); **H01M 50/434** (2021.01); **H01M 50/451** (2021.01); **H01M 50/454** (2021.01); **H01M 50/457** (2021.01); **H01M 50/494** (2021.01)

CPC (source: EP KR US)
B01D 67/0032 (2013.01 - EP KR US); **B01D 67/006** (2013.01 - EP KR US); **B01D 67/0088** (2013.01 - EP KR US); **B01D 69/02** (2013.01 - EP KR US); **B01D 69/12** (2013.01 - EP KR); **B01D 69/1213** (2022.08 - US); **B01D 71/00** (2013.01 - EP US); **B01D 71/022** (2013.01 - EP KR US); **B01D 71/025** (2013.01 - EP KR US); **B01D 71/48** (2013.01 - EP KR US); **B01D 71/56** (2013.01 - EP KR US); **B32B 3/266** (2013.01 - EP KR US); **B32B 27/12** (2013.01 - EP KR US); **C08J 5/18** (2013.01 - EP KR US); **H01M 50/403** (2021.01 - KR); **H01M 50/414** (2021.01 - EP KR US); **H01M 50/417** (2021.01 - EP US); **H01M 50/42** (2021.01 - EP US); **H01M 50/423** (2021.01 - EP US); **H01M 50/431** (2021.01 - KR); **H01M 50/434** (2021.01 - EP US); **H01M 50/44** (2021.01 - EP US); **H01M 50/449** (2021.01 - KR); **H01M 50/451** (2021.01 - EP US); **H01M 50/454** (2021.01 - EP US); **H01M 50/457** (2021.01 - EP US); **H01M 50/463** (2021.01 - KR); **H01M 50/491** (2021.01 - KR); **H01M 50/494** (2021.01 - EP KR US); **B01D 2323/34** (2013.01 - EP KR US); **B01D 2325/02** (2013.01 - EP); **B01D 2325/028** (2013.01 - EP KR US); **B01D 2325/0283** (2022.08 - US); **B01D 2325/04** (2013.01 - EP KR US); **B01D 2325/24** (2013.01 - EP KR US); **B32B 2553/00** (2013.01 - EP KR US); **Y02E 60/10** (2013.01 - EP KR); **Y10T 428/24273** (2015.01 - EP US); **Y10T 428/24331** (2015.01 - EP US)

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)
DE 102010001702 A1 20110609; CN 102665880 A 20120912; EP 2506958 A1 20121010; JP 2013512974 A 20130418; KR 20120098761 A 20120905; US 2012244412 A1 20120927; WO 2011067064 A1 20110609

DOCDB simple family (application)
DE 102010001702 A 20100209; CN 201080054623 A 20101104; EP 10774209 A 20101104; EP 2010066798 W 20101104; JP 2012541381 A 20101104; KR 20127014240 A 20101104; US 201013512950 A 20101104