

Title (en)

DEFORMABLE FILM MADE OF AT LEAST ONE INORGANIC NONMETALLIC MATERIAL, METHOD FOR PRODUCTION THEREOF AND USE THEREOF

Title (de)

DEFORMIERBARE FOLIE AUS MINDESTENS EINEM ANORGANISCHEN NICHT-METALLISCHEN MATERIAL, VERFAHREN ZU DEREN HERSTELLUNG, SOWIE DEREN VERWENDUNG

Title (fr)

FEUILLE DÉFORMABLE CONSTITUÉE D'AU MOINS UN MATÉRIAU NON MÉTALLIQUE INORGANIQUE, SON PROCÉDÉ DE FABRICATION ET SON UTILISATION

Publication

**EP 3749620 A1 20201216 (DE)**

Application

**EP 19704584 A 20190206**

Priority

- DE 102018201846 A 20180206
- EP 2019052888 W 20190206

Abstract (en)

[origin: WO2019154845A1] The invention relates to a deformable film made of at least one inorganic nonmetallic material which has pores, at least in some areas. The porosity of the deformable film is 10% to 90%, the thickness of the deformable film is 1 µm to 100 µm, and the average pore diameter of the pores is 2 nm to 500 nm. Because of the combination of these specific parameters, a film which is both deformable and also has good mechanical stability and breaking strength is obtained. In addition, the deformable film has a higher stability with respect to high temperatures and organic solvents than plastic films. The invention further relates to a method for producing the deformable film according to the invention and to the use of the deformable film according to the invention.

IPC 8 full level

**C03B 23/037** (2006.01); **C03B 27/012** (2006.01); **C03C 3/089** (2006.01); **C03C 10/02** (2006.01); **C03C 11/00** (2006.01); **C03C 21/00** (2006.01)

CPC (source: EP)

**C03B 23/037** (2013.01); **C03B 27/012** (2013.01); **C03C 3/089** (2013.01); **C03C 10/0009** (2013.01); **C03C 11/005** (2013.01); **C03C 21/002** (2013.01)

Citation (search report)

See references of WO 2019154845A1

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)

**DE 102018201846 A1 20190808**; EP 3749620 A1 20201216; WO 2019154845 A1 20190815

DOCDB simple family (application)

**DE 102018201846 A 20180206**; EP 19704584 A 20190206; EP 2019052888 W 20190206