

Title (en)  
SHOCK-ABSORBING LAYER AS WELL AS METHOD FOR ITS MANUFACTURING

Title (de)  
STOSSDÄMPFENDE SCHICHT SOWIE VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)  
COUCHE D'ABSORPTION DE CHOCS ET SON PROCÉDÉ DE FABRICATION

Publication  
**EP 4261348 A1 20231018 (EN)**

Application  
**EP 23168328 A 20230417**

Priority  
BE 202205283 A 20220415

Abstract (en)  
Shock-absorbing layer (1) comprising a backing cloth (2) having a top surface (3), a bottom surface (4), and a plurality of loops (6). In particular, the loops are formed from fibers substantially made of at least one elastic polymer (5), which are attached to the backing cloth according to a loop-pile principle, with the number of loops per unit of area being at least 80,000 loops per m<sup>2</sup> and at most 160,000 loops per m<sup>2</sup>. A method for manufacturing a shock-absorbing layer is also disclosed.

IPC 8 full level  
**E01C 13/04** (2006.01); **E01C 13/08** (2006.01)

CPC (source: EP)  
**E01C 13/045** (2013.01); **E01C 13/08** (2013.01); **E01C 2201/10** (2013.01)

Citation (applicant)  

- EP 3505680 A1 20190703 - DOW GLOBAL TECHNOLOGIES LLC [US]
- EP 2771513 A1 20140903 - BONAR BV [NL]
- EP 3885400 A1 20210929 - INNOGRAAF B V [NL]
- EP 3354794 A2 20180801 - SYNPRODO B V [NL], et al
- EP 3126573 A1 20170208 - BFS EUROPE NV [BE]

Citation (search report)  

- [ID] EP 3126573 B1 20190213 - BFS EUROPE NV [BE]
- [I] WO 9509949 A1 19950413 - OTSUKA KAGAKU KK [JP], et al
- [A] EP 0966568 B1 20041020 - FIELDTURF HOLDINGS INC [CA]
- [A] US 2011189408 A1 20110804 - ISHIMARU TAKESHI [JP], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4261348 A1 20231018**; BE 1030452 A1 20231110; BE 1030452 B1 20231114

DOCDB simple family (application)  
**EP 23168328 A 20230417**; BE 202205283 A 20220415