

Title (en)
POLYMER PRODUCT AND METHOD OF MANUFACTURING THE PRODUCT

Title (de)
POLYMERPRODUKT UND VERFAHREN ZUR HERSTELLUNG DES PRODUKTES

Title (fr)
PRODUIT POLYMÈRE ET PROCÉDÉ POUR MANUFACTURER LE PRODUIT

Publication
EP 2718087 A2 20140416 (EN)

Application
EP 12740451 A 20120502

Priority

- EP 11164378 A 20110429
- BE 201100303 A 20110518
- BE 2012000022 W 20120502
- EP 12740451 A 20120502

Abstract (en)
[origin: WO2012145803A2] This invention relates to a polymer product comprising the components consisting of a polymer in form of granules; a multidimensional structure containing amphiphilic molecules, such as lipids, surfactants or polymers, wherein said polymer product has an active and/or passive oxygen or CO₂ barrier, with an UV blocking activity or with potentially colouring with the incorporation of the multidimensional structure. It further relates to a method for manufacturing notably said polymer products, in particular from multidimensional aggregated components as barrier or carriers of living microbial cells and biological barriers in plastic and textile.

IPC 8 full level
B29C 49/00 (2006.01); **B29C 45/18** (2006.01); **B29C 49/22** (2006.01); **B65D 81/24** (2006.01)

CPC (source: EP US)
B29B 11/14 (2013.01 - EP); **B29C 45/0001** (2013.01 - EP); **B29C 49/0005** (2013.01 - EP); **B29C 49/071** (2022.05 - EP); **B65D 1/0215** (2013.01 - EP); **C12N 11/096** (2020.01 - EP US); **B29B 11/08** (2013.01 - EP); **B29C 45/1642** (2013.01 - EP); **B29C 49/06** (2013.01 - EP); **B29C 2949/0715** (2022.05 - EP); **B29C 2949/072** (2022.05 - EP); **B29C 2949/073** (2022.05 - EP); **B29C 2949/0774** (2022.05 - EP); **B29C 2949/0777** (2022.05 - EP); **B29C 2949/22** (2022.05 - EP); **B29C 2949/24** (2022.05 - EP); **B29C 2949/3016** (2022.05 - EP); **B29C 2949/302** (2022.05 - EP); **B29C 2949/3028** (2022.05 - EP); **B29C 2949/3032** (2022.05 - EP); **B29C 2949/3036** (2022.05 - EP); **B29K 2023/06** (2013.01 - EP); **B29K 2023/12** (2013.01 - EP); **B29K 2067/003** (2013.01 - EP); **B29K 2105/0032** (2013.01 - EP); **B29K 2105/0044** (2013.01 - EP); **B29K 2995/0056** (2013.01 - EP); **B29K 2995/006** (2013.01 - EP); **B29K 2995/0067** (2013.01 - EP)

Citation (search report)
See references of WO 2012145803A2

Citation (examination)
EP 2518138 A1 20121031 - RESILUX [BE]

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)
WO 2012145803 A2 20121101; **WO 2012145803 A3 20130523**; BR 112013027812 A2 20170314; EP 2718087 A2 20140416; MX 2013012616 A 20140512

DOCDB simple family (application)
BE 2012000022 W 20120502; BR 112013027812 A 20120502; EP 12740451 A 20120502; MX 2013012616 A 20120502