

Title (en)  
AN ORAL POUCHED PRODUCT COMPRISING A LIQUID PERMEABLE POUCH OF FIBROUS NONWOVEN MATERIAL

Title (de)  
ORALES PRODUKT IN BEUTELFORM MIT EINEM FLÜSSIGKEITSDURCHLÄSSIGEN BEUTEL AUS FASERIGEM VLIESTOFF

Title (fr)  
PRODUIT ORAL EN SACHET COMPRENANT UN SACHET PERMÉABLE AUX LIQUIDES EN MATÉRIAU NON TISSÉ FIBREUX

Publication  
**EP 4350063 A1 20240410 (EN)**

Application  
**EP 22199958 A 20221006**

Priority  
EP 22199958 A 20221006

Abstract (en)  
An oral pouched product comprising a filling material contained in a liquid permeable pouch of fibrous nonwoven material. The fibrous nonwoven material comprises a mixture of regenerated cellulose fibers and polyhydroxyalcanoate (PHA) fibers with a weight ratio of regenerated cellulose fibers to polyhydroxyalcanoate (PHA) fibers being in the range of from 20:80 to 50:50.

IPC 8 full level  
**D04H 1/4258** (2012.01); **A24B 13/02** (2006.01); **A24B 15/28** (2006.01); **A24F 23/02** (2006.01); **B65B 9/06** (2012.01); **B65D 75/46** (2006.01); **D04H 1/435** (2012.01); **D04H 1/55** (2012.01)

CPC (source: EP)  
**A24B 13/00** (2013.01); **A24B 15/30** (2013.01); **A24F 23/02** (2013.01); **B65B 1/02** (2013.01); **B65B 9/06** (2013.01); **B65B 51/225** (2013.01); **D04H 1/4258** (2013.01); **D04H 1/435** (2013.01); **D04H 1/55** (2013.01)

Citation (applicant)  

- US 4703765 A 19871103 - PAULES EUGENE H [US], et al
- EP 2428450 B1 20130717 - MERZ VERPACKUNGSMASCHINEN GMBH [DE]
- US 6135120 A 20001024 - LOEFMAN LARS OLOF [SE], et al
- WO 2012069505 A1 20120531 - SWEDISH MATCH NORTH EUROPE AB [SE], et al
- WO 2017093486 A1 20170608 - SWEDISH MATCH NORTH EUROPE AB [SE]
- S. RUSSEL: "Handbook of Nonwovens", 2007, WOODHEAD PUBL. LTD
- "Moisture in Tobacco", vol. 966, 1990, article "Association of Official Analytical Chemists", Official Methods of Analysis", pages: 02

Citation (search report)  

- [Y] WO 2012061192 A1 20120510 - REYNOLDS TOBACCO CO R [US], et al
- [Y] US 2022225660 A1 20220721 - JOYCE MICHAEL [US], et al
- [A] US 2021169138 A1 20210610 - HUTCHENS RONALD K [US], 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)  
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