

Title (en)

LAMINATE FOR A BAG FOR FLOWABLE MATERIAL HAVING AN ORIENTED POLYPROPYLENE, AND A BAG MADE THEREFROM

Title (de)

LAMINAT FÜR EINEN BEUTEL FÜR FLIESSFÄHIGES MATERIAL MIT EINEM ORIENTIERTEN POLYPROPYLEN UND DARAUS HERGESTELLTER BEUTEL

Title (fr)

STRATIFIÉ DESTINÉ À LA FABRICATION D UN SAC CONÇU POUR CONTENIR DES MATIÈRES LIQUIDES, À BASE DE POLYMÈRE ORIENTÉ, ET SAC PRODUIT À PARTIR DE CELUI-CI

Publication

**EP 2323913 A4 20170419 (EN)**

Application

**EP 09798300 A 20090715**

Priority

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- US 13493308 P 20080715

Abstract (en)

[origin: WO2010008557A2] A bag for a flowable material comprising a plurality of walls coupled together by way of a plurality of seals to define a substantially fluid tight cavity. The plurality of walls each comprising a laminate structure comprising a sealant layer of a polyethylene material, a core layer of an oriented polypropylene material, and a cap layer of an EVOH material.

IPC 8 full level

**B65D 30/02** (2006.01); **B32B 9/00** (2006.01); **B32B 27/32** (2006.01)

CPC (source: EP US)

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Citation (search report)

- [A] US 4692361 A 19870908 - JOHNSTON WILLIAM D [US], et al
- [A] US 2007141372 A1 20070621 - SU TIEN-KUEI [US], et al
- [A] US 2006257652 A1 20061116 - SU TIEN-KUEI [US]
- [A] US 2004131868 A1 20040708 - WATANABE HIROAKI [US], et al
- See references of WO 2010008557A2

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DOCDB simple family (publication)

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DOCDB simple family (application)

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