

Title (en)

Improvements on multi-ply paperbags, comprising an airtight film or equivalent, which is interposed between two paper layers

Title (de)

Verbesserungen an mehrschichtige Papiersäcke mit einem luftdichten Film oder ähnliches der zwischen zwei Papierschichten angeordnet ist

Title (fr)

Perfectionnements aux sacs en papier multi-plis, comprenant un film ou similaire imperméable à l'air, interposé entre deux plis de papier

Publication

EP 1657180 A1 20060517 (FR)

Application

EP 05291908 A 20050915

Priority

FR 0411133 A 20041020

Abstract (en)

The bag has a polyethylene film (4) impermeable to air and interposed between two paper folds (2, 3). The film is folded to form a sleeve with two contactless edges spaced by an interval (5) for permitting free passage of the air for deaeration, during filling of the bag. The fold (2) has a band (6) impermeable to air to impose a path to the air such that air penetrates between the fold and the film, and evacuates towards outside.

IPC 8 full level

B65D 81/24 (2006.01); **B65D 30/08** (2006.01); **B65D 30/24** (2006.01)

CPC (source: EP)

B65D 31/04 (2013.01); **B65D 33/01** (2013.01)

Citation (applicant)

- US 4093114 A 19780606 - LAWES NORMAN EDWARD
- FR 2316138 A1 19770128 - ICI LTD [GB]

Citation (search report)

- [A] US 4093114 A 19780606 - LAWES NORMAN EDWARD
- [A] DE 3119175 A1 19821209 - GARTEMANN & HOLLMANN GMBH [DE]
- [A] US 2004000561 A1 20040101 - LALLEMANT ISABELLE [FR], et al
- [A] US 2003194153 A1 20031016 - DEAN JAMES [US]
- [A] US 1946995 A 19340213 - BIGELOW WEAVER BRENTON

Cited by

EP3184296A1; WO2017108911A1; EP3184297A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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