

Title (en)
MULTI-LAYER BAG AND METHOD FOR PRODUCING A MULTI-LAYER BAG

Title (de)
MEHRLAGIGER SACK UND VERFAHREN ZUR HERSTELLUNG EINES MEHRLAGIGEN SACKES

Title (fr)
SAC MULTICOUCHE ET PROCÉDÉ DE FABRICATION D'UN SAC MULTICOUCHE

Publication
EP 3807160 A1 20210421 (DE)

Application
EP 19727992 A 20190527

Priority
• DE 102018114001 A 20180612
• EP 2019063671 W 20190527

Abstract (en)
[origin: WO2019238402A1] Multi-layer bag for bulk material, comprising at least one layer of material comprising paper or paper-like material, wherein two layers of material are formed by pieces of tube (22, 32) inserted telescopically in one another, wherein a first of the pieces of tube (22) inserted telescopically in one another has at one end (27) an overhang (U1) with respect to a second of the pieces of tube (32) inserted telescopically in one another.

IPC 8 full level
B65D 30/08 (2006.01); **B65D 30/18** (2006.01); **B31B 150/00** (2017.01); **B31B 160/20** (2017.01); **B31B 170/20** (2017.01)

CPC (source: EP KR US)
B31B 70/10 (2017.07 - US); **B31B 70/16** (2017.07 - US); **B31B 70/262** (2017.07 - KR US); **B31B 70/85** (2017.07 - KR); **B65D 31/04** (2013.01 - EP KR US); **B65D 31/08** (2013.01 - KR US); **D21H 27/10** (2013.01 - US); **D21H 27/36** (2013.01 - KR US); **B31B 70/10** (2017.07 - EP); **B31B 70/262** (2017.07 - EP); **B31B 70/85** (2017.07 - EP); **B31B 2150/0012** (2017.07 - EP KR US); **B31B 2150/002** (2017.07 - EP KR US); **B31B 2160/20** (2017.07 - EP KR US); **B31B 2170/20** (2017.07 - EP KR); **B31B 2170/204** (2017.07 - EP US); **B65D 31/08** (2013.01 - EP)

Citation (search report)
See references of WO 2019238402A1

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)
DE 102018114001 A1 20191212; CN 214730984 U 20211116; EP 3807160 A1 20210421; JP 2021526109 A 20210930; KR 20210000417 U 20210222; TW 202012259 A 20200401; TW I799598 B 20230421; US 2021229870 A1 20210729; WO 2019238402 A1 20191219

DOCDB simple family (application)
DE 102018114001 A 20180612; CN 201990000772 U 20190527; EP 19727992 A 20190527; EP 2019063671 W 20190527; JP 2020563400 A 20190527; KR 20217000003 U 20190527; TW 108120059 A 20190611; US 201917053567 A 20190527