

Title (en)
MULTIPLE PLY BAG

Title (de)
MEHRLAGIGER SACK

Title (fr)
SAC MULTICOUCHE

Publication
EP 3606835 A1 20200212 (DE)

Application
EP 18710375 A 20180228

Priority
• DE 102017004268 A 20170503
• EP 2018054937 W 20180228

Abstract (en)
[origin: WO2018202340A1] The invention relates to a multiple ply bag (17) for bulk material having at least one material ply made of paper or paper-like material, produced from an outer tube piece (22) which, when the bag (17) is finished, forms the outer material ply of the bag wall, and one or more inner tube pieces (32, 42) which are arranged within the outer tube piece (22), characterised in that at least one inner tube piece (32, 42) at least at one end (37, 38, 47, 48) has an excess length (U) relative to the end (27, 28) of the outer tube piece (22).

IPC 8 full level
B65D 30/08 (2006.01); **B65D 30/18** (2006.01); **B65D 30/24** (2006.01)

CPC (source: EP)
B31B 70/10 (2017.08); **B31B 70/16** (2017.08); **B31B 70/262** (2017.08); **B65D 31/04** (2013.01); **B65D 31/08** (2013.01); **B65D 31/142** (2013.01); **B31B 70/85** (2017.08); **B31B 2150/003** (2017.08); **B31B 2160/20** (2017.08); **B31B 2170/20** (2017.08); **B31B 2170/204** (2017.08)

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 2018202340 A1 20181108; CN 110662704 A 20200107; CN 110662704 B 20221018; DE 102017004268 A1 20181108; DE 102017004268 B4 20190516; EP 3606835 A1 20200212; EP 3606835 B1 20231115; EP 3606835 C0 20231115; ES 2970566 T3 20240529; TW 201843089 A 20181216

DOCDB simple family (application)
EP 2018054937 W 20180228; CN 201880029525 A 20180228; DE 102017004268 A 20170503; EP 18710375 A 20180228; ES 18710375 T 20180228; TW 107114525 A 20180427