

Title (en)
AIRBAG HAVING PROTECTIVE BASE

Title (de)
AUFBLASBARER BEUTEL MIT SCHUTZAUFLAGE

Title (fr)
COUSSIN DE SÉCURITÉ GONFLABLE DOTÉ D'UNE BASE DE PROTECTION

Publication
EP 3750827 A4 20211103 (EN)

Application
EP 20735052 A 20200401

Priority
• CN 201910304410 A 20190416
• CN 2020082755 W 20200401

Abstract (en)
[origin: EP3750827A1] The present disclosure discloses an inflatable bag with a protective base, which is formed by stacking two outer films and two inner films located inside the outer films and by means of heat sealing and inflating, which includes two opposite side walls, each of which comprises a plurality of side wall air columns; and a bottom wall, which is located between the side walls and connected to bottom portions thereof. The bottom wall includes a plurality of bottom air columns, wherein a first bottom air column section, a protective air column section and a second bottom air column section are delimited in sequence in each of the bottom air columns, the first bottom air column sections are connected to the second bottom air column sections by forming first heat sealing nodes to bond the outer films and the inner films together, and at least one second heat sealing node is formed on each of the protective air columns to bond the outer films and the inner films together, so that the protective air column sections are folded to form a protective base.

IPC 8 full level
B65D 81/05 (2006.01)

CPC (source: CN EP)
B65D 31/04 (2013.01 - EP); **B65D 81/052** (2013.01 - CN EP); **B65D 2581/055** (2013.01 - CN EP)

Citation (search report)
• [XY] US 2005263425 A1 20051201 - TANAKA YASUZUMI [JP], et al
• [Y] WO 2016202313 A2 20161222 - SHANGHAI AIR-PAQ COMPOSITE MAT CO LTD [CN]
• [A] TW 201619017 A 20160601 - LAI HUNG-PIN [TW], et al
• [A] US 2013168286 A1 20130704 - LIAO YAW-SHIN [TW], et al
• See references of WO 2020211645A1

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)
EP 3750827 A1 20201216; EP 3750827 A4 20211103; EP 3750827 B1 20230830; CN 109969611 A 20190705; CN 109969611 B 20210101; WO 2020211645 A1 20201022

DOCDB simple family (application)
EP 20735052 A 20200401; CN 201910304410 A 20190416; CN 2020082755 W 20200401