

Title (en)

CLOSURE DEVICE WITH HOOKS IN HOOKS HAVING SENSORY EFFECT

Title (de)

VERSCHLUSSVORRICHTUNG MIT HAKEN IN HAKEN MIT SENSORISCHEM EFFEKT

Title (fr)

DISPOSITIF DE FERMETURE A CROCHETS DANS CROCHETS A EFFET SENSORIEL

Publication

EP 3212028 B1 20190130 (FR)

Application

EP 15786936 A 20151027

Priority

- FR 1402467 A 20141031
- EP 2015074894 W 20151027

Abstract (en)

[origin: CA2962513A1] Device for closing the opening of a sack, in particular a sack made of flexible material, comprising a first element with hooks and a second element with hooks, the hooks (9) of the two elements engaging into one another to achieve the closure of the opening, each element with hooks comprising a base strip (7, 8) and hooks coming from the strip.

IPC 8 full level

A44B 18/00 (2006.01); **B65D 33/25** (2006.01)

CPC (source: CN EP KR RU US)

A44B 18/0007 (2013.01 - RU US); **A44B 18/0015** (2013.01 - RU US); **A44B 18/0053** (2013.01 - CN); **A44B 18/0065** (2013.01 - CN); **B65B 61/188** (2013.01 - KR); **B65D 33/24** (2013.01 - RU US); **B65D 33/25** (2013.01 - CN EP KR RU US); **B65D 65/08** (2013.01 - KR)

Citation (examination)

US 4056593 A 19771101 - DE NAVAS ALBAREDA JOSE LUIS

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

DOCDB simple family (publication)

FR 3027775 A1 20160506; FR 3027775 B1 20161111; BR 112017007032 A2 20171212; BR 112017007032 B1 20220503; CA 2962513 A1 20160506; CA 2962513 C 20221129; CN 107105829 A 20170829; CN 107105829 B 20210108; EP 3212028 A1 20170906; EP 3212028 B1 20190130; ES 2721776 T3 20190805; JP 2017533045 A 20171109; JP 6815315 B2 20210120; KR 102547170 B1 20230622; KR 20170078642 A 20170707; PL 3212028 T3 20190830; RU 2017118407 A 20181130; RU 2017118407 A3 20190422; RU 2692846 C2 20190628; TR 201906306 T4 20190521; US 10273057 B2 20190430; US 2017305608 A1 20171026; WO 2016066649 A1 20160506

DOCDB simple family (application)

FR 1402467 A 20141031; BR 112017007032 A 20151027; CA 2962513 A 20151027; CN 201580057766 A 20151027; EP 15786936 A 20151027; EP 2015074894 W 20151027; ES 15786936 T 20151027; JP 2017523905 A 20151027; KR 20177011389 A 20151027; PL 15786936 T 20151027; RU 2017118407 A 20151027; TR 201906306 T 20151027; US 201515520699 A 20151027