

Title (en)

PAPER ROLL WITH CENTRAL HOLE AND REINFORCING MEMBER, AND METHOD FOR MAKING SAID ROLL

Title (de)

PAPIERROLLE MIT MITTELBOHRUNG UND VERSTÄRKUNGSELEMENT SOWIE VERFAHREN ZUR HERSTELLUNG DIESER ROLLE

Title (fr)

ROULEAU DE PAPIER A TROU CENTRAL AVEC ELEMENT DE RENFORT ET PROCEDE DE FABRICATION DUDIT ROULEAU

Publication

EP 2252534 B1 20120425 (FR)

Application

EP 09716762 A 20090203

Priority

- FR 2009000119 W 20090203
- FR 0800581 A 20080204
- FR 0806423 A 20081117

Abstract (en)

[origin: US8910901B2] A roll of sheet product, in particular of tissue paper, with a central hole along its winding axis includes a cylindrical reinforcing element onto which the paper is wound. The reinforcing element includes at least one ring joined to the innermost turn of the roll, with a width less than the width of the roll and provided with a means of extracting the ring by pulling substantially along the axis of the roll.

IPC 8 full level

B65H 75/00 (2006.01); **A47K 10/16** (2006.01); **A47K 10/38** (2006.01); **B65H 18/28** (2006.01)

CPC (source: EP US)

A47K 10/16 (2013.01 - EP US); **B65H 18/28** (2013.01 - EP US); **B65H 75/00** (2013.01 - EP US); **B65H 75/18** (2013.01 - US); **B65H 2301/41484** (2013.01 - EP US); **B65H 2301/415016** (2013.01 - EP US)

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009109723 A1 20090911; AT E555046 T1 20120515; CA 2712492 A1 20090911; CA 2712492 C 20160412; EA 017951 B1 20130430; EA 201001225 A1 20110429; EP 2252534 A1 20101124; EP 2252534 B1 20120425; ES 2386403 T3 20120820; US 2011006145 A1 20110113; US 2013341450 A1 20131226; US 8672257 B2 20140318; US 8910901 B2 20141216

DOCDB simple family (application)

FR 2009000119 W 20090203; AT 09716762 T 20090203; CA 2712492 A 20090203; EA 201001225 A 20090203; EP 09716762 A 20090203; ES 09716762 T 20090203; US 201314012215 A 20130828; US 86614209 A 20090203