

Title (en)
Method of winding a tape

Title (de)
Verfahren zur Erzeugung eines Bandwickels

Title (fr)
Méthode pour l'enroulement d'une bande

Publication
EP 2364945 A3 20111221 (EN)

Application
EP 11169552 A 20070614

Priority
• EP 07745222 A 20070614
• JP 2006170962 A 20060621

Abstract (en)
[origin: EP2030937A1] A reel comprising a columnar wind-up unit 3 and a pair of side plates 2 and 2 provided such that the wind-up unit 3 is between the side plates 2 and 2, wherein the inner surface of at least one side plate 2 is provided with a peripheral projection 22.

IPC 8 full level
B65H 75/14 (2006.01); **B65H 54/12** (2006.01)

CPC (source: EP KR US)
B65H 54/12 (2013.01 - EP US); **B65H 75/08** (2013.01 - KR); **B65H 75/14** (2013.01 - EP KR US); **B65H 2301/41368** (2013.01 - EP US); **B65H 2701/377** (2013.01 - EP US)

Citation (search report)
• [Y] GB 869979 A 19610607 - HALLMARK CARDS
• [Y] JP 2002128334 A 20020509 - FUJI PHOTO FILM CO LTD
• [A] US 3099414 A 19630730 - KUIKA THOMAS S
• [A] US 2004140391 A1 20040722 - SALIBA GEORGE A [US]
• [A] JP S56140557 U 19811023
• [A] US 3342435 A 19670919 - GELARDI ANTHONY L, et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 2030937 A1 20090304; EP 2030937 A4 20101222; CN 101472821 A 20090701; CN 102070048 A 20110525; CN 102070048 B 20160203; EP 2364945 A2 20110914; EP 2364945 A3 20111221; JP 2011032101 A 20110217; JP 4862956 B2 20120125; JP WO2007148594 A1 20091119; KR 101330924 B1 20131118; KR 20090018830 A 20090223; TW 200827279 A 20080701; TW 201109263 A 20110316; TW I360512 B 20120321; US 2009283625 A1 20091119; US 2011198433 A1 20110818; WO 2007148594 A1 20071227

DOCDB simple family (application)
EP 07745222 A 20070614; CN 200780022858 A 20070614; CN 201010578324 A 20070614; EP 11169552 A 20070614; JP 2007061965 W 20070614; JP 2008522412 A 20070614; JP 2010245530 A 20101101; KR 20087030992 A 20070614; TW 96122290 A 20070621; TW 99139969 A 20070621; US 201113030004 A 20110217; US 30624807 A 20070614