

Title (en)
CONTINUOUS REEL-TO-REEL ARRANGEMENT

Title (de)
ANORDNUNG FÜR KONTINUIERLICHE SPULENAUFZEICHNUNG

Title (fr)
AGENCEMENT CONTINU D'UNE BOBINE À UNE AUTRE

Publication
EP 2864229 A1 20150429 (EN)

Application
EP 13731718 A 20130618

Priority
• SE 1250680 A 20120625
• US 201261663834 P 20120625
• EP 2013062625 W 20130618

Abstract (en)
[origin: WO2014001151A1] A continuous reel-to-reel arrangement (1), for transportation of continuous substrate materials (3) from an unwinding material reel (2) to a winding material reel (4), comprises at least two guiding rolls (5) arranged to align the substrate material (3) when being rolled off from the unwinding material reel (2) before entering into at least one treatment zone (6), and at least two guiding rolls (5) arranged to align the substrate material (3) when exiting the at least one treatment zone (6) before being wound up on the winding material reel (4). At least one of the guiding rolls (5) arranged to align the substrate material (3) when exiting the at least one treatment zone is a driving roll (13), and at least one of the guiding rolls (5) arranged to align the substrate material (3) when being rolled off from the unwinding material reel (2) is a braking roll (12), arranged to apply a constant braking force to the substrate material (3) when the substrate material (3) is driven through the at least one treatment zone (6). Thereby, the risk of plastically deforming the substrate material (3) is low during transportation and during unwinding/winding and the risk of subjecting the material to wear is also low.

IPC 8 full level
B65H 18/10 (2006.01); **B65H 23/18** (2006.01); **B65H 23/188** (2006.01); **C23C 14/56** (2006.01); **C23C 16/54** (2006.01)

CPC (source: CN EP SE US)
B65H 18/103 (2013.01 - CN EP US); **B65H 18/106** (2013.01 - CN EP US); **B65H 23/1806** (2013.01 - CN EP US); **B65H 23/188** (2013.01 - US); **B65H 23/1888** (2013.01 - CN EP US); **C23C 14/50** (2013.01 - CN EP US); **C23C 14/562** (2013.01 - CN EP SE US); **C23C 16/458** (2013.01 - CN EP US); **C23C 16/545** (2013.01 - CN EP SE US); **H01L 31/206** (2013.01 - SE); **B65H 2301/41284** (2013.01 - CN EP US); **B65H 2301/51145** (2013.01 - CN EP US); **B65H 2404/165** (2013.01 - CN EP US); **B65H 2701/192** (2013.01 - CN EP US)

Citation (search report)
See references of WO 2014001151A1

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 2014001151 A1 20140103; CN 104395214 A 20150304; CN 104395214 B 20171208; EP 2864229 A1 20150429; JP 2015520092 A 20150716; JP 6130499 B2 20170517; SE 1250680 A1 20131226; SE 536952 C2 20141111; US 2015203314 A1 20150723

DOCDB simple family (application)
EP 2013062625 W 20130618; CN 201380033572 A 20130618; EP 13731718 A 20130618; JP 2015517723 A 20130618; SE 1250680 A 20120625; US 201314408810 A 20130618