

Title (en)
Unwinding device

Title (de)
Abwickler

Title (fr)
Dispositif de déroulement

Publication
EP 2319789 A1 20110511 (EN)

Application
EP 10189906 A 20101103

Priority
IT VR20090184 A 20091105

Abstract (en)
Unwinding device, particularly for films wound in reels, suitable for being inserted in the axial cavity (2) of the reel (3), comprising at least one first inner tubular body (4) and at least one second outer tubular body (5) coaxial and able to rotate with respect to said first inner tubular body (4), said second outer tubular body (5) comprising at least one coupling surface (6) with the inner surface of said axial cavity (2).

IPC 8 full level
B65H 75/08 (2006.01); **B65H 75/10** (2006.01); **B65H 75/18** (2006.01)

CPC (source: EP US)
B65H 75/10 (2013.01 - EP); **B65H 75/2218** (2021.05 - EP US); **B65H 75/2254** (2021.05 - EP US)

Citation (search report)

- [XA] CA 2167866 A1 19970724 - SAPIANO JOHN [CA], et al
- [XA] DE 202005002248 U1 20050421 - ILLINOIS TOOL WORKS [US]
- [A] WO 2007066194 A2 20070614 - CROCCO S P A [IT], et al
- [A] DE 2142286 A1 19720302

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 2319789 A1 20110511; **EP 2319789 B1 20151021**; IT 1397035 B1 20121220; IT VR20090184 A1 20110506

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