

Title (en)
WINDER-UNWINDER DEVICE OF A PROTECTIVE TARPAULIN

Title (de)
EIN- UND AUFROLLVORRICHTUNG EINER SCHUTZPLANE

Title (fr)
DISPOSITIF ENROULEUR-DEROULEUR D'UNE BACHE DE PROTECTION

Publication
EP 3730724 A1 20201028 (FR)

Application
EP 20170303 A 20200420

Priority
FR 1904494 A 20190426

Abstract (en)
[origin: US2020340262A1] A rolling-unrolling device for a protective cover for covering a surface to be protected is presented. The device is self-propelling and includes a braking system for blocking the rotation of at least one drive wheel of the carriages and causing the cover to be automatically tensioned during the rolling up thereof on the roller tube. This braking system includes a movable pawl integral with each of the carriages, and a ratchet wheel integral with the drive wheel of each of the carriages, such that, in the direction of rotation corresponding to the unrolling of the cover, the pawl is not engaged with the ratchet wheel and the braking system is in the passive position, and in the opposite direction of rotation corresponding to the rolling up of the cover, the pawl is engaged with the ratchet wheel and the braking system is in the active position.

Abstract (fr)
L'invention concerne un dispositif enrouleur-dérouleur d'une bâche de protection pour couvrir une surface à protéger, ce dispositif étant autottracté et comportant un système de freinage (100) pour bloquer la rotation d'au moins une roue motrice (15, 16) des chariots (5, 6) et provoquer une mise en tension automatique de ladite bâche pendant son enroulement le tube d'enroulement dudit dispositif.

IPC 8 full level
A63C 19/12 (2006.01); **E04H 4/10** (2006.01)

CPC (source: EP US)
A63C 19/12 (2013.01 - EP); **B65H 75/4442** (2013.01 - US); **B65H 75/4497** (2013.01 - US); **E04H 4/101** (2013.01 - EP US)

Citation (applicant)
• WO 2010091252 A1 20100812 - TEXTILE MAN ASSOCIATES INC [US], et al
• FR 2893651 A1 20070525 - RICHERT PHILIPPE [FR]
• FR 2908402 A1 20080516 - HYDROLINE SA [FR]
• WO 2014060708 A1 20140424 - EC2M [FR]
• FR 2893651 A1 20070525 - RICHERT PHILIPPE [FR]
• FR 3084095 A1 20200124 - WATERAIR [FR]

Citation (search report)
• [A] WO 2014060708 A1 20140424 - EC2M [FR]
• [A] WO 2010091252 A1 20100812 - TEXTILE MAN ASSOCIATES INC [US], et al

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FR3137936A1

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 3730724 A1 20201028; **EP 3730724 B1 20210505**; ES 2869556 T3 20211025; FR 3095432 A1 20201030; FR 3095432 B1 20210416; PL 3730724 T3 20210823; PT 3730724 T 20210601; US 11346120 B2 20220531; US 2020340262 A1 20201029

DOCDB simple family (application)
EP 20170303 A 20200420; ES 20170303 T 20200420; FR 1904494 A 20190426; PL 20170303 T 20200420; PT 20170303 T 20200420; US 202016854179 A 20200421