

Title (en)
PRE-STRETCHING GROUP

Title (de)
VORDEHNGRUPPE

Title (fr)
GROUPE DE PRÉ-ÉTIREMENT

Publication
EP 4316995 A1 20240207 (EN)

Application
EP 23188584 A 20230731

Priority
IT 202200016332 A 20220801

Abstract (en)
A pre-stretching unit (10), suitable for being installed on an apparatus for wrapping loads with a film (F), in particular an extendible film (F) or other sheet material, comprises support means (11) for a reel (B) of the film (F), a pair of pre-stretching rollers (13,14) that are rotatable around respective axes (X1,X2) and a rapid insertion device (30) for inserting a head strip of the film (F) between the rollers of the pair of pre-stretching rollers (13,14); the rapid insertion device (30) comprises a flexible dragging element (17), configured for advancing along a path that extends between, and partially around, the axes (X1,X2), so as to drag the head strip of the film (F) through the rollers of the pair of pre-stretching rollers (13,14), and connecting means (20), provided on the flexible dragging element (17), for connecting the head strip of the film (F) to the flexible dragging element (17), the pre-stretching unit (10) is further provided with height adjusting means (21,22) so as to adjust the height of the flexible dragging element (17).

IPC 8 full level
B65B 11/00 (2006.01); **B65B 41/16** (2006.01); **B65H 19/10** (2006.01)

CPC (source: CN EP)
B65B 11/00 (2013.01 - CN EP); **B65B 41/12** (2013.01 - CN); **B65B 41/16** (2013.01 - EP); **B65B 2011/002** (2013.01 - CN EP); **B65B 2210/14** (2013.01 - EP)

Citation (applicant)
• US 4747254 A 19880531 - LANCASTER JOSEPH R [US]
• US 2013227919 A1 20130905 - COUSINS NEIL G [CA]
• US 2004163364 A1 20040826 - COUSINS NEIL G [CA], et al

Citation (search report)
• [A] US 4747254 A 19880531 - LANCASTER JOSEPH R [US]
• [A] US 2013227919 A1 20130905 - COUSINS NEIL G [CA]
• [A] US 2004163364 A1 20040826 - COUSINS NEIL G [CA], et al
• [A] US 2006254225 A1 20061116 - LANCASTER PATRICK R III [US], et al
• [A] US 2012031053 A1 20120209 - LANCASTER III PATRICK R [US], et al
• [A] US 2019084703 A1 20190321 - NICHOLSON GRAHAM [CA]
• [A] WO 2022119573 A1 20220609 - TOP TIER LLC [US]

Designated contracting state (EPC)
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Designated extension state (EPC)
BA

Designated validation state (EPC)
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DOCDB simple family (publication)
EP 4316995 A1 20240207; CN 116729686 A 20230912; CN 220843108 U 20240426; IT 202200016332 A1 20240201

DOCDB simple family (application)
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