

Title (en)
Apparatus for handling spools

Title (de)
Vorrichtung zum Handhaben von Bobinen

Title (fr)
Dispositif de manipulation de bobines

Publication
EP 1157952 A3 20030115 (DE)

Application
EP 01111621 A 20010512

Priority
DE 10025848 A 20000525

Abstract (en)
[origin: EP1157952A2] The device transfers reels from a stack to a processing machine, using a reel carrier. The carrier (1) has grab jaws (13,26), adjustable at right angles to the core axis of a reel, and suction grabs (23), which engage on intermediate reel layers. The grab jaws are formed as clamping bars (14), pressed radially against the inner surface of a core sleeve of a reel.

IPC 1-7
B65H 19/12; **B65H 3/08**; **B65H 5/08**; **B65H 67/06**; **B65G 59/04**; **B65G 47/91**; **B66C 1/54**; **B66C 1/02**; **B65G 61/00**

IPC 8 full level
B65B 19/26 (2006.01); **A24C 5/20** (2006.01); **B65G 47/91** (2006.01); **B65G 59/04** (2006.01); **B65G 61/00** (2006.01); **B65H 3/08** (2006.01); **B65H 5/08** (2006.01); **B65H 19/12** (2006.01); **B65H 67/06** (2006.01); **B66C 1/02** (2006.01); **B66C 1/54** (2006.01)

CPC (source: EP US)
B65H 3/0816 (2013.01 - EP US); **B65H 19/123** (2013.01 - EP US); **B65H 67/065** (2013.01 - EP US); **B66C 1/0212** (2013.01 - EP US); **B66C 1/0275** (2013.01 - EP US); **B66C 1/0293** (2013.01 - EP US); **B66C 1/54** (2013.01 - EP US); **B65H 2301/12** (2013.01 - EP US); **B65H 2301/41322** (2013.01 - EP US); **B65H 2301/41324** (2013.01 - EP US); **B65H 2555/30** (2013.01 - EP US); **Y10S 414/124** (2013.01 - EP US)

Citation (search report)
• [Y] DE 19538392 A1 19970417 - SCHLAFHORST & CO W [DE]
• [YD] DE 4041865 A1 19920702 - SCHMERMUND MASCHF ALFRED [DE]
• [A] DE 3816164 A1 19891123 - GEBALD GREGOR [DE], et al
• [A] DE 4341925 A1 19950614 - SCHLAFHORST & CO W [DE]
• [A] US 5035571 A 19910730 - RAASCH HANS [DE]

Cited by
CN113560441A; CN106966129A; DE102006043810A1; US7984603B2; US8353662B2; WO2008010251A1; WO2016066596A1; WO2007118537A1; WO2016033004A1; WO2023051969A1

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EP 1157952 A2 20011128; **EP 1157952 A3 20030115**; **EP 1157952 B1 20050720**; AT E299833 T1 20050815; CN 1236984 C 20060118; CN 1325817 A 20011212; DE 10025848 A1 20011129; DE 50106759 D1 20050825; ES 2244519 T3 20051216; JP 2002020002 A 20020123; PL 196740 B1 20080131; PL 347710 A1 20011203; US 2001045490 A1 20011129; US 6604704 B2 20030812

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