

Title (en)
Winding machine

Title (de)
Wickelmaschine

Title (fr)
Enrouleuse

Publication
EP 0997415 B1 20040204 (DE)

Application
EP 99114451 A 19990723

Priority
DE 19848813 A 19981022

Abstract (en)
[origin: US6325320B1] Winding machine and process for winding a material web, in particular a paper or cardboard web, onto a reel. The material web is guided by a carrying drum that can be supplied with suction, and a nip is formed between the carrying drum and the reel. The carrying drum, which has a perforated casing and/or is provided with circumferential grooves, is supplied with suction by way of at least one external suction box. The suction box is disposed with at least one suction opening opposite the circumference region of the carrying drum that is not wrapped by the material web. The suction box has at least one sealing element that cooperates with the carrying drum in the vicinity of the suction opening.

IPC 1-7
B65H 19/22

IPC 8 full level
B65H 19/22 (2006.01); **B65H 19/28** (2006.01)

CPC (source: EP US)
B65H 19/28 (2013.01 - EP US); **B65H 2301/41414** (2013.01 - EP US); **B65H 2301/522** (2013.01 - EP US); **B65H 2406/30** (2013.01 - EP US); **B65H 2408/236** (2013.01 - EP US); **B65H 2801/84** (2013.01 - EP US)

Citation (examination)

- US 3549098 A 19701222 - HELKALA VIKI, et al
- US 5515619 A 19960514 - KAHL PETER [DE], et al
- EP 0860545 A2 19980826 - VOITH SULZER PAPIERMASCH GMBH [DE]

Cited by
EP1038817A3; US6749146B1

Designated contracting state (EPC)
AT DE FI SE

DOCDB simple family (publication)
US 6325320 B1 20011204; AT E258892 T1 20040215; DE 19848813 A1 20000427; DE 59908452 D1 20040311; EP 0997415 A1 20000503; EP 0997415 B1 20040204

DOCDB simple family (application)
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