

Title (en)

Round magazine for a spooling station of an automatic cheese winder

Title (de)

Rundmagazin für eine Spulstelle eines Kreuzspulautomaten

Title (fr)

Chargeur rond pour un emplacement de bobinage d'un automate de bobines croisées

Publication

**EP 2186767 A3 20110126 (DE)**

Application

**EP 09012555 A 20091005**

Previously filed application

102008057806 20081118 DE

Priority

DE 102008057806 A 20081118

Abstract (en)

[origin: EP2186767A2] The magazine has a movably supported cover element (12) for closing a suction air channel (13). The cover element selectively, manually or automatically actuated, and mechanically locks thread ends of spinning cops at a closed condition. The cover element consists of a hand actuating cover (20) and an automatic cover (19). The two covers are separately actuated. A nut-shaped recess (22) is included in an upper side (21) of the actuating cover and forms an air-and-thread guiding channel, which is attached to the suction air channel. The guiding channel is closed by the automatic cover.

IPC 8 full level

**B65H 67/02** (2006.01); **B65H 67/08** (2006.01)

CPC (source: EP)

**B65H 67/02** (2013.01); **B65H 67/083** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [A] US 3261562 A 19660719 - WILHELM KUPPER, et al
- [A] US 3265316 A 19660809 - STEFAN FURST
- [A] JP S5831870 A 19830224 - NITTO BOSEKI CO LTD, et al
- [A] DE 3245326 A1 19840816 - SCHLAFHORST & CO W [DE]
- [A] JP S49111541 U 19740924
- [AD] DE 3709735 A1 19871022 - MURAO BOKI KK [JP]

Cited by

CN111661707A

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2186767 A2 20100519**; **EP 2186767 A3 20110126**; **EP 2186767 B1 20120704**; CN 101734517 A 20100616; CN 101734517 B 20120905; DE 102008057806 A1 20100520

DOCDB simple family (application)

**EP 09012555 A 20091005**; CN 200910221708 A 20091111; DE 102008057806 A 20081118