

Title (en)

Method and device for cleaning the doffing area in a carding machine

Title (de)

Verfahren und Vorrichtung zum Reinigen der Abgangszone an einer Karde/Krempel

Title (fr)

Méthode et dispositif de nettoyage de la zone de détachage dans une carde

Publication

EP 1338685 B2 20160518 (DE)

Application

EP 03003942 A 20030221

Priority

CH 4352002 A 20020226

Abstract (en)

[origin: EP1338685A1] The waste zone, at a carding machine, is cleaned of dust and waste and short fibers by a compressed air unit which generates a compressed air flow in the zone between the doffer roller, the take-off roller and the mangle rollers. A suction unit is at the lower stripper and the lower mangle roller, and a further suction unit is over the upper stripper blade. The compressed air flow is maintained for a duration of up to 5 seconds, or up to 15 seconds if required or up to 60 seconds, at intervals of 1-60 minutes or 3-30 minutes.

IPC 8 full level

D01G 15/74 (2006.01); **D01G 15/82** (2006.01)

CPC (source: EP US)

D01G 15/825 (2013.01 - EP US)

Citation (opposition)

Opponent :

- US 3355774 A 19671205 - YUKIMASA MIYAGI
- DE 3346335 A1 19850718 - HOLLINGSWORTH GMBH [DE]
- DE 2758336 A1 19790705 - RIETER DEUTSCHLAND GMBH
- IT 644364 A

Cited by

CN107313134A

Designated contracting state (EPC)

DE IT TR

DOCDB simple family (publication)

EP 1338685 A1 20030827; **EP 1338685 B1 20070523**; **EP 1338685 B2 20160518**; CN 100359060 C 20080102; CN 101089263 A 20071219; CN 101089263 B 20110309; CN 1441094 A 20030910; DE 50307306 D1 20070705; US 2004016076 A1 20040129

DOCDB simple family (application)

EP 03003942 A 20030221; CN 03107035 A 20030225; CN 200710109949 A 20030225; DE 50307306 T 20030221; US 37474703 A 20030225