

Title (en)

Device for removing a fiber web from a card with a suction roller

Title (de)

Vorrichtung zur Abnahme eines Faservlieses von einer Karde, mit einer Absaugwalze

Title (fr)

Dispositif pour détacher un voile de carde avec un rouleau aspirant

Publication

EP 1386986 B1 20070516 (DE)

Application

EP 03008243 A 20030409

Priority

DE 10234803 A 20020731

Abstract (en)

[origin: EP1386986A1] A continuous web (3) is transferred at its full width from a card take-off roller (4) to a conveyor (5) using a perforated suction roller (6). The suction roller has an internal narrow suction slot (7) that can be adjusted in flow velocity and position. It is independent of the remaining suction region (8), which extends to about a quarter or a third of the roller periphery. A roller (9) at an adjustable distance above the fiber web assists the web transfer by creating an air cushion. The conveyor (5) runs about 10% faster than the peripheral speed of the take-off roller (4). The conveyor (5) can be linked to a collecting conveyor for several webs, the transfer being assisted by a suction roller with a limited suction region.

IPC 8 full level

D01G 15/46 (2006.01)

CPC (source: EP)

D01G 15/46 (2013.01)

Cited by

EP1589132A1; EP1643021A1; FR3059343A1; FR3059344A1

Designated contracting state (EPC)

BE DE FR IT

DOCDB simple family (publication)

EP 1386986 A1 20040204; EP 1386986 B1 20070516; DE 10234803 A1 20040212; DE 50307279 D1 20070628

DOCDB simple family (application)

EP 03008243 A 20030409; DE 10234803 A 20020731; DE 50307279 T 20030409