

Title (en)

Suction apparatus for transferring a nonwoven web

Title (de)

Saugvorrichtung zum Überführen einer Vliesstoffbahn

Title (fr)

Appareil d'aspiration pour le transfert d'un voile non tissé

Publication

EP 2085504 A1 20090805 (EN)

Application

EP 08002004 A 20080204

Priority

EP 08002004 A 20080204

Abstract (en)

The apparatus (3) is used for transferring a nonwoven web (W) between an upstream unit (1), such as for example a conveyor belt, and a downstream unit (2), such as for example a thermal bonding unit. The apparatus comprises a rotating and air permeable cylinder (30), and air suction means (31) for creating a suction force through the cylinder in order to make a nonwoven web adhere against the surface of a first portion (P1) of the cylinder. The air suction means (31) further comprise a stationary internal channel (310) that is mounted inside the cylinder (30) and extends between the said first portion (P1) and a second portion (P2) of the cylinder, and a suction hood (311) that is mounted outside the cylinder (30) and in the vicinity of the said second portion (P2).

IPC 8 full level

D01G 15/46 (2006.01); **D04H 1/00** (2006.01)

CPC (source: EP)

D01G 15/465 (2013.01); **D04H 1/54** (2013.01)

Citation (applicant)

- EP 0733729 A1 19960925 - THIBEAU & CIE SA A [FR]
- FR 1500746 A 19671103 - TESSILTECNICA DI M MEALLI

Citation (search report)

- [AD] EP 0733729 A1 19960925 - THIBEAU & CIE SA A [FR]
- [A] GB 1476230 A 19770610 - VOITH GMBH J M
- [A] GB 2001369 A 19790131 - NOKIA OY AB, et al
- [A] EP 0899370 A2 19990303 - SPINNBAU GMBH [DE]
- [A] GB 973086 A 19641021 - FERDINAND REITERER, et al

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AU2011211422B2; AU2011211389B2; AU2011211440B2; EP3575455A1; FR3081885A1; EP2417952A1; EP2417951A1; FR3059343A1; FR3059344A1; EP4357497A3; US12006603B2; US11885046B2; WO2018095766A3; EP3575455B1; WO2020144084A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2085504 A1 20090805; **EP 2085504 B1 20101222**; AT E492667 T1 20110115; DE 602008004077 D1 20110203; DK 2085504 T3 20110404; PL 2085504 T3 20110531

DOCDB simple family (application)

EP 08002004 A 20080204; AT 08002004 T 20080204; DE 602008004077 T 20080204; DK 08002004 T 20080204; PL 08002004 T 20080204