

Title (en)
DEVICE FOR THE PRODUCTION OF A NON-WOVEN

Title (de)
VORRICHTUNG ZUR HERSTELLUNG EINES VLIESES

Title (fr)
DISPOSITIF POUR PRODUIRE UN NON-TISSE

Publication
EP 1480797 A1 20041201 (DE)

Application
EP 03706585 A 20030227

Priority
• DE 20203427 U 20020302
• EP 0302012 W 20030227

Abstract (en)
[origin: WO03074243A1] The invention relates to devices for the production of a non-woven (2) consisting of fibrous particles, comprising a pneumatic fractionating device (8) and a forming substrate (24) on which a fractionated flow of particles (9) can be arranged in such a way that relatively small particles are disposed in a lower and upper outer layer and relatively large particles are disposed in a middle layer (31) in said non-woven (2). A group of rollers (20) is arranged in a device on a first end section (10) of the fractionated particle flow containing the smallest particles and a conveyor belt (18) circulating around said group of rollers is arranged in a higher position. The fraction mixture can be fed by the conveyor belt to the group of rollers embodied in the form of a homogenizing unit which successively spreads partial flows (25,26,27) onto the forming substrate. In another device, one group of rollers (43) is provided on an end section of the particle flow containing the largest particles, in addition to an inclined screening device (40) which is arranged downstream from the fractionating device (8) and which conducts the larger particles to the group of rollers(43) acting as a homogenizing unit.

IPC 1-7
B27N 3/14

IPC 8 full level
B27N 3/14 (2006.01); **D04H 1/58** (2012.01); **D04H 1/70** (2012.01)

CPC (source: EP)
B27N 3/14 (2013.01); **D04H 1/60** (2013.01); **D04H 1/655** (2013.01); **D04H 1/70** (2013.01)

Citation (search report)
See references of WO 03074243A1

Cited by
DE202016103820U1; DE202017106263U1; DE102017124063A1; DE102016113014A1; WO2018011430A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
WO 03074243 A1 20030912; AT E488344 T1 20101215; AU 2003208770 A1 20030916; DE 20203427 U1 20030417; DE 50313267 D1 20101230; EP 1480797 A1 20041201; EP 1480797 B1 20101117

DOCDB simple family (application)
EP 0302012 W 20030227; AT 03706585 T 20030227; AU 2003208770 A 20030227; DE 20203427 U 20020302; DE 50313267 T 20030227; EP 03706585 A 20030227