

Title (en)
MOULDED HEAD AND METHOD FOR THE PRODUCTION OF A NONWOVEN FABRIC

Title (de)
FORMKOPF UND VERFAHREN ZUM HERSTELLEN EINES FASERVLISES

Title (fr)
TETE DE TARAUDAGE ET PROCEDE POUR PRODUIRE UN NON TISSE

Publication
EP 1776496 A1 20070425 (DE)

Application
EP 05747189 A 20050429

Priority
• EP 2005051971 W 20050429
• DE 102004021453 A 20040429

Abstract (en)
[origin: WO2005106091A1] The invention relates to a moulded head for a device which is used to produce a nonwoven fabric by placing fibres on a conveyor belt. Said device comprises a fibre feed mechanism which is connected to a fibre processing chamber comprising a lower placement opening which is used to discharge fibres. Interlocking needle rollers are arranged in a parallel manner in relation to each other about the longitudinal axis in the fibre processing chamber, said interlocking needle rollers being able to rotate about the respective longitudinal axis thereof, surround the inner chamber and are arranged in such a manner in relation to the fibre feed mechanism and the placement opening, such that, during operation, fibres supplied to the moulded head enter into the inner chamber between interlocking needle rollers and leave the inner chamber between interlocking needle rollers.

IPC 8 full level
B27N 3/14 (2006.01); **D04H 1/425** (2012.01); **D04H 1/4258** (2012.01); **D04H 1/4291** (2012.01); **D04H 1/435** (2012.01); **D04H 1/492** (2012.01); **D04H 1/541** (2012.01); **D04H 1/552** (2012.01); **D04H 1/64** (2012.01); **D04H 1/70** (2012.01); **D04H 1/72** (2012.01); **D04H 1/732** (2012.01)

CPC (source: EP US)
D04H 1/425 (2013.01 - EP US); **D04H 1/4258** (2013.01 - EP US); **D04H 1/4291** (2013.01 - EP US); **D04H 1/435** (2013.01 - EP US); **D04H 1/492** (2013.01 - EP US); **D04H 1/5412** (2020.05 - EP US); **D04H 1/5418** (2020.05 - EP US); **D04H 1/552** (2013.01 - EP US); **D04H 1/64** (2013.01 - EP US); **D04H 1/72** (2013.01 - EP US); **D04H 1/732** (2013.01 - EP US); **D04H 18/02** (2013.01 - EP US); **Y10T 442/60** (2015.04 - EP US)

Citation (search report)
See references of WO 2005106091A1

Designated contracting state (EPC)
DE DK FR IT TR

DOCDB simple family (publication)
WO 2005106091 A1 20051110; CA 2564858 A1 20051110; CN 1981080 A 20070613; CN 1981080 B 20101110; DE 102004021453 A1 20051117; EP 1776496 A1 20070425; JP 2007534857 A 20071129; JP 4755641 B2 20110824; US 2008241301 A1 20081002; US 7690903 B2 20100406

DOCDB simple family (application)
EP 2005051971 W 20050429; CA 2564858 A 20050429; CN 200580013850 A 20050429; DE 102004021453 A 20040429; EP 05747189 A 20050429; JP 2007510042 A 20050429; US 58710805 A 20050429