Title (en)

A forming head for dry forming a fibrous web

Title (de)

Ein Formkopf zum trockenen Legen eines Faserstoffs

Title (fr)

Tête de formage pour la formation sèche d'un voile fibreux

Publication

EP 2078769 A1 20090715 (EN)

Application

EP 08150185 A 20080111

Priority

EP 08150185 A 20080111

Abstract (en)

The invention relates to a forming head (1) for dry forming a fibrous web, which forming head is positioned above a forming wire opposite a suction unit. The forming head (1) is divided into at least two independent interconnected distribution units (2,3,4,5) each of which comprises at least one revolving roller (11,12,13,14,15,16,17,18,19) provided with protruding spikes (12). By dividing the forming head (1) into a plurality of interconnected distribution units (2,3,4,5), a more efficient disintegration of agglomerates, shadows and/or lumps in the fibre material is achieved compared to the known forming heads, thereby ensuring a more homogenous final product.

IPC 8 full level

D01G 25/00 (2006.01); **D04H 1/72** (2012.01); **D04H 1/732** (2012.01)

CPC (source: EP US)

D01G 25/00 (2013.01 - EP US); **D04H 1/72** (2013.01 - EP US); **D04H 1/732** (2013.01 - EP US); **D21H 27/42** (2013.01 - EP US)

Citation (search report)

- [XY] US 2007124894 A1 20070607 - DRAPELA DAVID [US], et al
- [XY] US 2005098910 A1 20050512 - ANDERSEN CARSTEN [DK]
- [XY] WO 9936623 A1 19990722 - ERIKSEN MARIANNE ETLAR [DK], et al
- [XY] EP 0159618 A1 19851030 - MIRA LANZA SPA [IT]
- [AY] US 3252186 A 19660524 - OJA WAYNE J

Cited by

WO2020253927A1; EP2799607A1; US9777415B2; WO2014177497A1

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 2078769 A1 20090715; AT E535634 T1 20111215; AU 2009203705 A1 20090716; BR PI0905731 A2 20150714; CA 2711808 A1 20090716; CN 101925697 A 20101222; CN 101925697 B 20130220; DK 2238281 T3 20120312; EP 2238281 A1 20101013; EP 2238281 B1 20111130; KR 20100116185 A 20101029; NZ 587277 A 20111222; PL 2238281 T3 20120430; RU 2010132248 A 20120220; RU 2502837 C2 20131227; US 2010283176 A1 20101111; WO 2009087236 A1 20090716; ZA 201005680 B 20110428

DOCDB simple family (application)

EP 08150185 A 20080111; AT 09700432 T 20090112; AU 2009203705 A 20090112; BR PI0905731 A 20090112; CA 2711808 A 20090112; CN 200980103211 A 20090112; DK 09700432 T 20090112; EP 09700432 A 20090112; EP 2009050273 W 20090112; KR 20107017588 A 20090112; NZ 58727709 A 20090112; PL 09700432 T 20090112; RU 2010132248 A 20090112; US 81234609 A 20090112; ZA 201005680 A 20100810