

Title (en)

PLANT FOR PRODUCING NONWOVEN FABRIC

Title (de)

ANLAGE ZUM HERSTELLEN EINES VLIESTOFFES

Title (fr)

INSTALLATION DE PRODUCTION DE TISSU NON-TISSÉ

Publication

EP 4008814 A1 20220608 (EN)

Application

EP 21212305 A 20211203

Priority

IT 202000029879 A 20201204

Abstract (en)

Plant for producing nonwoven fabric, which comprises a main channel (3) susceptible of being traversed by extruded filaments (F) for forming a nonwoven fabric, and a cooling station (8), which defines, in the main channel (3), a cooling channel (9). The cooling station (9) is composed of two pairs of superimposed chambers (100, 120) placed on opposite sides of the cooling channel (9), and of a common homogenization chamber (90) in which the air coming from the two superimposed chambers (100, 120) converges. In each chamber, a plurality of homogenizing plates (80) is provided while in the common chamber (90) a straightener panel is provided preceded by further homogenizing plates (93). The ratio between the first section (S1) of the upper first chamber (100) and the second section (S2) of the lower second chamber (120) is comprised between 3/6 and 5/6 and preferably is approximately 4/6.

IPC 8 full level

D01D 5/088 (2006.01); **D01D 5/098** (2006.01)

CPC (source: EP)

D01D 5/088 (2013.01); **D01D 5/0985** (2013.01)

Citation (applicant)

- EP 3575469 A1 20191204 - REIFENHAEUSER MASCH [DE]
- EP 3690086 A1 20200805 - MITSUI CHEMICALS INC [JP]

Citation (search report)

- [A] EP 3690086 A1 20200805 - MITSUI CHEMICALS INC [JP]
- [A] US 2019360138 A1 20191128 - NITSCHKE MICHAEL [DE], et al
- [A] CN 111172602 A 20200519 - HONGDA RES INSTITUTE CO LTD

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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