

Title (en)
MELT SPINNING SYSTEM

Title (de)
SCHMELZSPINNSYSTEM

Title (fr)
SYSTÈME DE FILAGE PAR FUSION

Publication
EP 3730678 A1 20201028 (EN)

Application
EP 20165859 A 20200326

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Abstract (en)
An object of the present invention is to suppress airflow in the vicinity of filaments from being disturbed. A melt spinning system 1 comprises a spinning unit 2 which spins the filaments out, a cooling unit 3 which cools the filaments, and an exhaust unit 4 which includes a waste channel 30 sucking and discharging the gas being generated from the filaments. The exhaust unit 4 includes a sucking unit 31 which includes a suction port of the gas, a duct 32 which is placed downstream of the sucking unit 31 in the gas discharge direction, an aspirator 33 which is placed downstream of the duct 32 and sucks and discharges the gas, a connecting pipe 34 which is placed downstream of the aspirator 33 and connected to an intermediate part of a fixed pipe 100 being fixedly provided, and an inflow suppressor 70 which suppresses inflow of the gas into the connecting pipe 34 from the fixed pipe 100.

IPC 8 full level
D01D 5/088 (2006.01); **D01D 5/092** (2006.01); **D01D 13/00** (2006.01); **D01D 13/02** (2006.01)

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D01D 5/08 (2013.01 - CN); **D01D 5/088** (2013.01 - CN EP); **D01D 5/092** (2013.01 - EP); **D01D 13/00** (2013.01 - EP);
D01D 13/02 (2013.01 - CN EP)

Citation (applicant)
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Citation (search report)
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CN115029802A

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

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EP 3730678 A1 20201028; **EP 3730678 B1 20210609**; CN 111826729 A 20201027; CN 111826729 B 20230418; JP 2020176354 A 20201029;
JP 7256066 B2 20230411

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