

Title (en)
AIR SPINNING MACHINE

Title (de)
LUFTSPINNMASCHINE

Title (fr)
MACHINE DE FILAGE À AIR

Publication
EP 3575458 A1 20191204 (EN)

Application
EP 19177046 A 20190528

Priority
JP 2018103044 A 20180530

Abstract (en)
A fine spinning machine (1) includes a plurality of spinning units (2), an additive supply device (90), an additive supply path, an additive heating section (21), an additive temperature detection section (22), and a central control device (4). Each of the spinning units (2) including at least a draft device (7) and a spinning device (9) forms and winds a spun yarn (10). An additive supply device (90) is an additive supply source for supplying an additive. An additive supply path guides the additive from the additive supply device (90) to the spinning device (9) in each of the spinning units (2). An additive heating section (21) that is provided in the additive supply device (90) heats the additive. An additive temperature detection section (22) that is provided in the additive supply device (90) detects the additive temperature. The central control device (4) controls an operation of the additive heating section (21) based on a detection result of the additive temperature detection section (22).

IPC 8 full level
D01H 13/30 (2006.01); **D01H 1/115** (2006.01); **D01H 4/02** (2006.01)

CPC (source: CN EP)
D01H 1/115 (2013.01 - CN EP); **D01H 4/02** (2013.01 - CN EP); **D01H 13/28** (2013.01 - CN); **D01H 13/306** (2013.01 - CN EP)

Citation (applicant)
JP 2017150123 A 20170831 - RIETER AG MASCHF

Citation (search report)
• [Y] EP 2949795 A2 20151202 - MURATA MACHINERY LTD [JP]
• [Y] EP 2980285 A2 20160203 - RIETER AG MASCHF [CH]
• [Y] JP S60167941 A 19850831 - TOYODA AUTOMATIC LOOM WORKS
• [A] CN 106435792 A 20170222 - JILIN HUAFANG ELECTROSTATIC MAT TECH CO LTD
• [A] CH 707560 A1 20140815 - RIETER AG MASCHF [CH]
• [A] EP 1405938 A1 20040407 - SSM AG [CH]

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)
EP 3575458 A1 20191204; CN 110552089 A 20191210; CN 110552089 B 20230407; JP 2019206779 A 20191205

DOCDB simple family (application)
EP 19177046 A 20190528; CN 201910374811 A 20190507; JP 2018103044 A 20180530