

Title (en)

AIR-JET TYPE SPINNING DEVICE HAVING AN IMPROVED SPINNING STARTING SYSTEM AND RELATED AIR-JET TYPE SPINNING STARTING METHOD

Title (de)

LUFTDÜSEN-SPINNVORRICHTUNG, DIE EIN VERBESSERTES SPINNSTARTSYSTEM AUFWEIST, UND ENTSPRECHENDES LUFTDÜSEN-SPINNSTARTVERFAHREN

Title (fr)

DISPOSITIF DE FILAGE DU TYPE À JET D'AIR AYANT UN SYSTÈME DE DÉMARRAGE DE FILATURE AMÉLIORÉ ET PROCÉDÉ DE DÉMARRAGE DE FILATURE DE TYPE À JET D'AIR ASSOCIÉ

Publication

EP 4130360 A1 20230208 (EN)

Application

EP 22179909 A 20220620

Priority

IT 202100020786 A 20210802

Abstract (en)

An air-jet type spinning device wherein the spinning starter system comprises the following steps:- pneumatic supply of the ejector or Venturi nozzle (36) at an initial maximum pressure p_{max} so as to recall the fibres within the a fibre introducer (20),- feeding of the fibres into the spinning chamber (16) and then in the spindle (24) of the spinning chamber (16) ;- pneumatic supply of the spinning chamber (16) with a main nozzle (40) so that the two jets of compressed air overlap each other,- gradual switching-off of the ejector or Venturi nozzle (36) according to an average pressure gradient in absolute value of less than 6 bar/s.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] JP H05125624 A 19930521 - TORAY ENG CO LTD
- [A] US 2003101710 A1 20030605 - WUST OLIVIER [CH], et al
- [A] US 2002026781 A1 20020307 - SHIGEYAMA MASAZUMI [JP], et al

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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