

Title (en)
SPUN YARN DRAWING APPARATUS

Title (de)
SPINNGARNEINZUGSVORRICHTUNG

Title (fr)
APPAREIL D'ÉTIRAGE DE FIL FILÉ

Publication
EP 3517664 B1 20201118 (EN)

Application
EP 19150067 A 20190102

Priority
JP 2018012277 A 20180129

Abstract (en)
[origin: EP3517664A1] Power consumption is restrained while the temperature of a preheating roller is suitably controlled. A spun yarn drawing apparatus 3 includes: a preheating roller 33 which heats yarns Y before drawn; a conditioning roller 35 which is provided downstream in a yarn running direction of the preheating roller 33 and is higher in temperature and speed than the preheating roller 33; and a thermal insulation box 20 which houses the preheating roller 33 and the conditioning roller 35, the yarns Y being drawn between the preheating roller 33 and the conditioning roller 35, the spun yarn drawing apparatus further including: partition portions 43a and 43b provided between the preheating roller 33 and the conditioning roller 35; a communication passage 47 which causes a low-temperature space 45 which is on the preheating roller 33 side of the partition portions 43a and 43b to communicate with a high-temperature space 46 which is on the conditioning roller 35 side of the partition portions 43a and 43b; and shutters 48 and 49 which are provided to change the flow passage area of the communication passage 47.

IPC 8 full level
D02J 1/22 (2006.01); **D01D 5/16** (2006.01); **D01D 10/02** (2006.01)

CPC (source: CN EP)
D01D 5/16 (2013.01 - CN EP); **D01D 10/02** (2013.01 - CN EP); **D02J 1/224** (2013.01 - EP)

Cited by
EP3929337A1

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

DOCDB simple family (publication)
EP 3517664 A1 20190731; **EP 3517664 B1 20201118**; CN 110093676 A 20190806; CN 110093676 B 20220517; JP 2019131898 A 20190808; JP 7053287 B2 20220412

DOCDB simple family (application)
EP 19150067 A 20190102; CN 201811553351 A 20181219; JP 2018012277 A 20180129