Title (en)
YARN HEATER AND FALSE-TWIST TEXTURING MACHINE

Title (de)
GARNHEIZER UND FALSCHDRALLTEXTURIERMASCHINE

Title (fr)
DISPOSITIF DE CHAUFFAGE DE FIL ET MACHINE DE TEXTURATION PAR FAUSSE TORSION

Publication
EP 4382648 A1 20240612 (EN)

Application
EP 23209337 A 20231113

Priority
JP 2022191392 A 20221130

Abstract (en)
Easy detachment of a yarn contact member and reduction of power consumption are both achieved. Yarn contact members 54a and 54b are detachably attached to respective concave grooves 53a and 53b which are defined by a heating member 52, extend along a predetermined extending direction, and are open on one side (i.e., downward) in an up-down direction orthogonal to an extending direction. Lateral heat insulation members 71 and 73 and a central heat insulation member 72 are provided to be aligned in a base longitudinal direction. Gaps between the central heat insulation member 72 and the lateral heat insulation members 71 and 73 constitute yarn guide passages 58a and 58b through which yarns Ya and Yb are guided to the respective two yarn contact members 54a and 54b attached to the two concave grooves 53a and 53b. At an opposing area 59a (59b) opposing each of the concave grooves 53a and 53b in the up-down direction, a central heat insulation member 72 is provided. The central heat insulation member 72 provided at the opposing area 59a (59b) is detachable.

IPC 8 full level
D02G 1/02 (2006.01); D02J 13/00 (2006.01)

CPC (source: EP)
D02G 1/0266 (2013.01); D02J 13/003 (2013.01)

Citation (applicant)
JP 2002194631 A 20020710 - TORAY ENG CO LTD

Citation (search report)
• [XAI] EP 0905295 A1 19990331 - MURATA MACHINERY LTD [JP]
• [A] WO 2018007294 A1 20180111 - OERLIKON TEXTILE GMBH & CO KG [DE]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4382648 A1 20240612; CN 118109935 A 20240531; JP 2024079595 A 20240611

DOCDB simple family (application)
EP 23209337 A 20231113; CN 202311467343 A 20231106; JP 2023186846 A 20231031