

Title (en)
COMBINED YARN PRODUCING DEVICE

Title (de)
KOMBINIERTE GARNHERSTELLUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE PRODUCTION DE FIL COMBINÉ

Publication
EP 3095900 A1 20161123 (EN)

Application
EP 16168913 A 20160510

Priority
JP 2015101507 A 20150519

Abstract (en)
A combined yarn producing device capable of serially performing processes from spinning to production of a combined yarn is provided. A combined yarn producing device 3 includes: preheating rollers 11 to 13 configured to take up yarns Y; first drawing rollers 14 and 15 on which a yarn Y1 among the yarns Y is wound, the first drawing rollers 14 and 15 heating and feeding the yarn Y1 drawn between the preheating roller 13 and the first drawing rollers 14 and 15; a second drawing roller 16 on which a yarn Y2 among the yarns Y is wound, the second drawing roller 16 being lower in roller surface temperature than the first drawing rollers 14 and 15 and feeding the yarn Y2 drawn between the second drawing roller 16 and the preheating roller 13; and an interlacing device 26 combining the yarn Y1 and the yarn Y2.

IPC 8 full level
D01D 5/16 (2006.01); **D01D 10/04** (2006.01); **D02G 3/04** (2006.01); **D02J 1/08** (2006.01); **D02J 1/22** (2006.01)

CPC (source: CN EP)
D01D 5/16 (2013.01 - CN EP); **D01D 10/02** (2013.01 - EP); **D02G 3/04** (2013.01 - CN); **D02G 3/045** (2013.01 - CN); **D02J 1/08** (2013.01 - EP); **D02J 1/22** (2013.01 - EP); **D02J 1/225** (2013.01 - EP)

Citation (applicant)
JP S57193543 A 19821127 - TEIJIN LTD

Citation (search report)
• [X] JP H01221505 A 19890905 - KANEBO LTD
• [A] JP 2013204183 A 20131007 - TMT MACHINERY INC
• [A] WO 2012007333 A1 20120119 - OERLIKON TEXTILE GMBH & CO KG [DE], et al
• [A] DE 102009038496 A1 20100311 - OERLIKON TEXTILE GMBH & CO KG [DE]
• [A] JP 2015025233 A 20150205 - TMT MACHINERY INC
• [X] DATABASE WPI Week 200854, 2008 Derwent World Patents Index; AN 2008-J29875, XP002762521
• [A] DATABASE WPI Week 200882, 2008 Derwent World Patents Index; AN 2008-O02423, XP002762522

Cited by
CN109652887A; EP3842576A1

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 3095900 A1 20161123; EP 3095900 B1 20180418; CN 106167922 A 20161130; JP 2016216846 A 20161222; JP 6671110 B2 20200325

DOCDB simple family (application)
EP 16168913 A 20160510; CN 201610261405 A 20160425; JP 2015101507 A 20150519