

Title (en)
YARN JOINING DEVICE AND YARN WINDING DEVICE

Title (de)
GARNVERBINDUNGSVORRICHTUNG UND GARNAUFWICKLUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ASSEMBLAGE DE FIL ET DISPOSITIF DE BOBINAGE DE FIL

Publication
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Application
EP 19210228 A 20191120

Priority
JP 2019010465 A 20190124

Abstract (en)
One object is to provide a yarn joining device that can favorably join even elastic yarns. Yarn ends of two yarns (Y1, Y2) held by corresponding clamps (42A, 42B) and cut by corresponding cutters (41A, 41B) are sucked with corresponding untwisting pipes (32A, 32B) each having a suction vent (32a) arranged between a yarn joining nozzle (31) and the cutter (41A, 41B) in an up-down direction. When doing so, the cutters (41A, 41B) are caused to cut the yarns (Y1, Y2) while the yarns (Y1, Y2) are in contact with a yarn shrinkage suppression mechanism (37A, 37B) that can move so as to contact the yarns (Y1, Y2) between the suction vents (32a) and the yarn joining nozzle (31) in the up-down direction.

IPC 8 full level
B65H 69/06 (2006.01)

CPC (source: CN EP)
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B65H 2701/31 (2013.01 - CN); **B65H 2701/319** (2013.01 - EP)

Citation (applicant)
• JP S59112038 A 19840628 - MURATA MACHINERY LTD
• JP 2005112550 A 20050428 - MURATA MACHINERY LTD

Citation (search report)
• [XAI] US 2004020182 A1 20040205 - PREMI MAURO [IT]
• [A] US 2002174643 A1 20021128 - HUMML BALDUR [DE]
• [A] EP 1544147 A2 20050622 - SAURER GMBH & CO KG [DE]
• [A] EP 3421399 A1 20190102 - SAURER SPINNING SOLUTIONS GMBH & CO KG [DE]
• [A] EP 1118570 A2 20010725 - MURATA MACHINERY LTD [JP]
• [A] EP 1671910 A2 20060621 - MURATA MACHINERY LTD [JP]
• [A] US 4505097 A 19850319 - MIMA HIROSHI [JP]

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

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