

Title (en)
Splicer unit

Title (de)
Spleißereinheit

Title (fr)
Unité d'épissure

Publication
EP 2390216 A1 20111130 (EN)

Application
EP 11178828 A 20081126

Priority
• EP 08020584 A 20081126
• JP 2008034285 A 20080215

Abstract (en)
A splicer device (14) includes a dedicated dust collector (80) in which yarn waste is collected. The dust collector (80) includes a dust collecting chamber (81) shaped like a substantial cylinder. The yarn waste (75) is collected by generating a whirling air stream (74) inside the dust collecting chamber (81), that is, on the basis of what is called a cyclone scheme. The splicer device (14) includes an untwisting pipe (82) into which during yarn splicing, a yarn end is introduced and untwisted by compressed air. The dust collector (80) includes a yarn waste introduction port (83) through which the yarn waste is introduced into the dust collecting chamber (81) in a substantially tangential direction thereof. An air stream from the untwisting pipe (82) generated by ejection of the compressed air is blown into the yarn waste introduction port (83) to generate the whirling air stream (74)

IPC 8 full level
B65H 54/70 (2006.01); **B65H 69/06** (2006.01)

CPC (source: EP)
B65H 54/702 (2013.01); **B65H 69/061** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)
JP 2001199637 A 20010724 - MURATA MACHINERY LTD

Citation (search report)
• [A] WO 2007142311 A1 20071213 - SHIMA SEIKI MFG [JP], et al & EP 2042624 A1 20090401 - SHIMA SEIKI MFG [JP], et al
• [A] US 4193779 A 19800318 - HENCKE DIETMAR [DE]
• [A] DE 4229552 A1 19940310 - SCHLAFHORST & CO W [DE]
• [A] EP 1057909 A1 20001206 - LUWA AG ZELLWEGER [CH]
• [A] JP 2001199637 A 20010724 - MURATA MACHINERY LTD
• [A] EP 1380529 A2 20040114 - SAURER GMBH & CO KG [DE]

Cited by
EP3009540A3

Designated contracting state (EPC)
DE IT

DOCDB simple family (publication)
EP 2390216 A1 20111130; EP 2390216 B1 20120620; CN 101508394 A 20090819; CN 101508394 B 20120822; CN 102674079 A 20120919; EP 2090539 A2 20090819; EP 2090539 A3 20091216; EP 2090539 B1 20120215; JP 2009190853 A 20090827

DOCDB simple family (application)
EP 11178828 A 20081126; CN 200910006162 A 20090203; CN 201210158347 A 20090203; EP 08020584 A 20081126; JP 2008034285 A 20080215