

Title (en)
YARN SPLICER DEVICE WITH IMPROVED TAIL TEARING MEANS AND THE RELATED OPERATING METHOD

Title (de)
FADENSPLEISSVORRICHTUNG MIT VERBESSERTEN ENDREISSMITTELN UND ZUGEHÖRIGES BETRIEBSVERFAHREN

Title (fr)
DISPOSITIF D'ÉPISSAGE DE FIL AVEC MOYENS DE DÉCHIRURE DE QUEUE AMÉLIORÉS ET PROCÉDÉ DE FONCTIONNEMENT ASSOCIÉ

Publication
EP 4328162 A1 20240228 (EN)

Application
EP 23189409 A 20230803

Priority
IT 202200017667 A 20220826

Abstract (en)
A yarn splicer device (4) comprising a pair of opposite plates (8,12) which are rotatable with respect to a common drive axis (X-X), the plates (8,12) being spaced apart from each other, along said drive axis (X-X), so as to identify a passage path (14) of a first yarn (16) ending with a first thread (20) and a second yarn (24) ending with a second thread (28), to be mutually spliced, tail tearing means (32), configured to grasp and tear tails (36) of said first and second thread (20,28), so as to obtain tearing points (40) positioned at least partially inside said passage path (14) of the first and second yarn (16,24), wherein said tail tearing means (32) comprise a first pair of counter-rotating rotatable cylinders (44), configured to clamp the tail (36) of said first thread (20) and/or a second pair of counter-rotating rotatable cylinders (48), configured to clamp the tail (36) of said second thread (28).

IPC 8 full level
B65H 69/06 (2006.01)

CPC (source: CN EP)
B65H 69/06 (2013.01 - EP); **D01H 15/00** (2013.01 - CN); **B65H 2701/31** (2013.01 - EP)

Citation (applicant)

- US 4637205 A 19870120 - BADIALI ROBERTO [IT], et al
- IT 201900021258 A1 20210515 - HAYABUSA S R L [IT]

Citation (search report)

- [XYI] EP 0078776 A2 19830511 - SAVIO SPA [IT]
- [Y] US 4397138 A 19830809 - ROHNER JOACHIM [DE], et al

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)
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DOCDB simple family (application)
EP 23189409 A 20230803; CN 202311085278 A 20230825; CN 202322307793 U 20230825; IT 202200017667 A 20220826