

Title (en)  
BROKEN YARN PICKING ARRANGEMENT FOR RING SPINNING MACHINE

Title (de)  
ANORDNUNG ZUR AUFNAHME VON GERISSENEM GARN FÜR EINE RINGSPINNMASCHINE

Title (fr)  
AGENCEMENT DE PRÉLÈVEMENT DE FIL CASSÉ POUR MACHINE À FILER À ANNEAUX

Publication  
**EP 3650381 A1 20200513 (EN)**

Application  
**EP 19202627 A 20191011**

Priority  
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Abstract (en)  
An auto piecing unit (1) for piecing broken yarns and its operation are described. The auto piecing unit (1) comprises a gripping arrangement (2) and a suction arrangement (4) connected on a mounting means (3) and a scribing arrangement (7). The gripping arrangement (2) holds a cop (5) wound with a broken yarn. The cop (5) is rotated in a direction opposite to a normal winding direction and moved vertically upwards and downwards. During a reverse rotation of the cop (5), the scribing arrangement (7) makes the linear and/or sideways movement to loosen and disentangle the broken yarn end. Upon loosening and disentangling the broken yarn, the suction arrangement (4) is positioned over the cop (5) to suck the broken yarn for a piecing operation.

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Citation (search report)  
• [XAI] US 3688486 A 19720905 - BELL CHARLES C, et al  
• [A] DE 3918788 A1 19891214 - MURATA MACHINERY LTD [JP]  
• [A] US 3813865 A 19740604 - HOHLOCH K  
• [A] GB 294148 A 19291016 - EIZABURO NEGISHI

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