

Title (en)  
Splicer unit

Title (de)  
Spleißereinheit

Title (fr)  
Unité d'épissure

Publication  
**EP 2390216 A1 20111130 (EN)**

Application  
**EP 11178828 A 20081126**

Priority  
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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  
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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)  
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• [A] US 4193779 A 19800318 - HENCKE DIETMAR [DE]  
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DE IT

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**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

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