

Title (en)  
SYNTHETIC YARN SPLICER

Title (de)  
SYNTHETIKGARNSPLEISSER

Title (fr)  
ÉPISSEUR DE FIL SYNTHÉTIQUE

Publication  
**EP 3553009 A1 20191016 (EN)**

Application  
**EP 19167770 A 20190408**

Priority  

- JP 2018076685 A 20180412
- JP 2018076686 A 20180412
- JP 2018076688 A 20180412
- JP 2018103798 A 20180530

Abstract (en)  
A synthetic yarn splicer 1 includes: a yarn splicing portion 10 that includes a chamber 14 which forms a space through which a first yarn Y1 and a second yarn Y2 are insertable and an injection hole 16a which opens to the chamber 14 and injects a fluid; and a first clamping mechanism 20 and a second clamping mechanism 30 that are provided at a position interposing the chamber 14 of the yarn splicing portion 10 and clamp each of the first yarn Y1 and the second yarn Y2 inserted through the space, in which the injection hole 16a has a circular shape, and in which a diameter R2 of the injection hole 16a is equal to or larger than  $\phi 0.8$  mm and equal to or smaller than  $\phi 1.3$  mm.

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

CPC (source: CN EP)  
**B65H 69/061** (2013.01 - EP); **B65H 69/063** (2013.01 - CN); **B65H 2402/414** (2013.01 - EP); **B65H 2701/31** (2013.01 - CN);  
**B65H 2701/313** (2013.01 - EP)

Citation (applicant)  
JP H1017214 A 19980120 - MURATA MACHINERY LTD

Citation (search report)  

- [X] US 5280698 A 19940125 - GERSTNER-STEVENSON DITMAR [DE], et al
- [X] EP 1420091 A1 20040519 - MITSUBISHI RAYON CO [JP]
- [X] JP 2002302342 A 20021018 - MITSUBISHI RAYON CO
- [A] US 4693067 A 19870915 - LOCATELLI LORENZO [IT]

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EP4345042A1

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

DOCDB simple family (publication)  
**EP 3553009 A1 20191016**; **EP 3553009 B1 20220330**; CN 110371791 A 20191025; CN 110371791 B 20220816; TW 201943633 A 20191116;  
TW I787495 B 20221221

DOCDB simple family (application)  
**EP 19167770 A 20190408**; CN 201910288348 A 20190411; TW 108112599 A 20190411