

Title (en)  
SYNTHETIC YARN SPLICER

Title (de)  
SYNTHETIKGARNSPLEISSER

Title (fr)  
ÉPISSEUR DE FIL SYNTHÉTIQUE

Publication  
**EP 3771679 B1 20220907 (EN)**

Application  
**EP 20188117 A 20200728**

Priority  
JP 2019140204 A 20190730

Abstract (en)  
[origin: EP3771679A1] A splicer (66) includes a yarn splicing portion (66a), a first clamping portion (123), a second clamping portion (133), and a moving mechanism (170). The moving mechanism (170) performs a first moving process of moving a first portion (K1) clamped by the second clamping portion (133) before releasing in a first yarn (YA) and a second yarn (YB) to one side in a penetrating direction by moving the first clamping portion (123) to one side in the penetrating direction while a clamping operation is performed by the first clamping portion (123) and a clamping operation of the second clamping portion (133) is released. The yarn splicing portion (66a) performs a first entangling process of entangling the first yarn (YA) and the second yarn (YB) before the first moving process and a second entangling process of entangling the first portion (K1) after the first moving process.

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

CPC (source: CN EP)  
**B65H 69/061** (2013.01 - EP); **D01H 15/00** (2013.01 - CN); **B65H 2701/313** (2013.01 - EP); **B65H 2701/319** (2013.01 - EP)

Cited by  
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

DOCDB simple family (publication)  
**EP 3771679 A1 20210203; EP 3771679 B1 20220907**; CN 112301485 A 20210202; CN 112301485 B 20230623; JP 2021024739 A 20210222; JP 7425694 B2 20240131; TW 202104057 A 20210201; TW I795662 B 20230311

DOCDB simple family (application)  
**EP 20188117 A 20200728**; CN 202010743237 A 20200729; JP 2020127432 A 20200728; TW 109125681 A 20200729