

Title (en)  
TEXTILE MACHINE AND TEACHING METHOD

Title (de)  
TEXTILMASCHINE UND LEHRVERFAHREN

Title (fr)  
MACHINE TEXTILE ET PROCÉDÉ D'ENSEIGNEMENT

Publication  
**EP 3712097 B1 20230215 (EN)**

Application  
**EP 20160905 A 20200304**

Priority  
JP 2019049445 A 20190318

Abstract (en)  
[origin: EP3712097A1] When a yarn threading assisting member of an automatic yarn threading device is in contact with an assisting member guide unit, application of excessive force to the yarn threading assisting member is suppressed without needing complicated control. A spun yarn take-up machine includes a winding device 14 which includes a bobbin holder supporting bobbins and fulcrum guides 21 and performs yarn winding of winding yarns Y onto the bobbins. The spun yarn take-up machine further includes a yarn threading robot 4 which includes a yarn threading assisting member 47 which temporarily holds the yarns Y and a driving mechanism which moves and drives the yarn threading assisting member 47. The yarn threading robot 4 performs yarn threading such that the yarns Y are threaded to the fulcrum guides 21 as the driving mechanism drives the yarn threading assisting member 47. The winding device 14 includes an assisting member guide unit 29 on which a guide surface 29a is formed to guide the yarn threading assisting member 47 in a guide direction having a component in the bobbin axial direction. Furthermore, the yarn threading robot 4 includes a cushion member 60 which absorbs force applied from the guide surface 29a to the yarn threading assisting member 47.

IPC 8 full level  
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CPC (source: CN EP)  
**B65H 57/003** (2013.01 - EP); **B65H 57/16** (2013.01 - CN EP); **B65H 67/048** (2013.01 - EP); **D01D 7/00** (2013.01 - CN); **B65H 2701/31** (2013.01 - EP)

Cited by  
EP4215469A3; EP4438538A1

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