

Title (en)  
SPUN YARN WINDING SYSTEM

Title (de)  
WICKLUNGSSYSTEM FÜR GESPONNENES GARN

Title (fr)  
SYSTÈME D'ENROULEMENT DE FIL FILÉ

Publication  
**EP 3798167 A1 20210331 (EN)**

Application  
**EP 20195027 A 20200908**

Priority  
JP 2019173857 A 20190925

Abstract (en)  
An object of the present invention is to reduce production loss due to a failure in yarn threading in a spun yarn take-up winder configured to wind yarns. A spun yarn take-up winder 3 of a spun yarn winding system 1 includes a bobbin holder 24 supporting bobbins B to be rotatable, a yarn detection unit 26 which is provided between a spinning apparatus 2 and the bobbins B in a yarn running direction and which detects yarns Y, and a winding controller 15. When the yarn threading is being performed, the winding controller 15 determines whether a failure in the yarn threading occurs in each yarn Y on the basis of a detection result of the yarn detection unit 26 before the yarns Y are threaded onto the respective bobbins B supported by the bobbin holder 24.

IPC 8 full level  
**B65H 57/00** (2006.01); **B65H 63/036** (2006.01); **B65H 67/048** (2006.01)

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**B65H 57/003** (2013.01 - EP); **B65H 63/00** (2013.01 - CN); **B65H 63/036** (2013.01 - EP); **B65H 67/048** (2013.01 - EP); **D01D 7/00** (2013.01 - CN); **B65H 2701/3132** (2013.01 - EP)

Citation (applicant)

- JP 2015078455 A 20150423 - TMT MACHINERY INC
- JP H0328047 U 19910320
- JP S5935816 B2 19840830

Citation (search report)

- [X] EP 0031661 A1 19810708 - TORAY INDUSTRIES [JP]
- [XAI] WO 2008116759 A2 20081002 - OERLIKON TEXTILE GMBH & CO KG [DE], et al

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

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DOCDB simple family (publication)  
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