

Title (en)
THREAD CLAMPING DEVICE

Title (de)
FADENKLEMMVORRICHTUNG

Title (fr)
DISPOSITIF PINCE-FIL

Publication
EP 3260406 B1 20190327 (DE)

Application
EP 17172778 A 20170524

Previously filed application
102016007041 20160609 DE

Priority
DE 102016007041 A 20160609

Abstract (en)
[origin: JP2017218715A] PROBLEM TO BE SOLVED: To provide a thread clamp apparatus capable of reducing sensitivity to soils and elongating the useful life. SOLUTION: A thread clamp apparatus 14 is for a spindle 2 of a spinning machine or a yarn twister and comprises a first clamp element 15, a second clamp element 18, a loading apparatus that applies a pressure on the second clamp element with a spring force toward the first clamp element, and a load-removing apparatus that positions the second clamp element with a centrifugal force with an interval from the first clamp element 15. A spring element 17 is used as a loading and load-removing apparatus. The spring element is guided by an under-winding tube 16 and is connected with the second clamp element supported movably. The spring element comprises a centrifugal force element 26 and influences a shape of the spring element corresponding to the number of revolutions of the spindle, and thus is capable of setting a position of the second clamp element in advance. SELECTED DRAWING: Figure 1A

IPC 8 full level
B65H 65/00 (2006.01); **D01H 1/38** (2006.01)

CPC (source: CN EP KR)
B65H 65/00 (2013.01 - EP KR); **D01H 1/38** (2013.01 - EP KR); **D01H 1/40** (2013.01 - CN); **D01H 7/04** (2013.01 - CN);
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Cited by
EP3686329A1; CN111485302A

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3260406 A1 20171227; **EP 3260406 B1 20190327**; CN 107488898 A 20171219; CN 107488898 B 20210507;
DE 102016007041 A1 20171214; ES 2765299 T3 20200608; JP 2017218715 A 20171214; JP 6967881 B2 20211117;
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JP 2017113468 A 20170608; KR 20170064228 A 20170524; TR 201907429 T 20170524; TW 106118786 A 20170607