

Title (en)  
YARN TENSION ADJUSTING DEVICE

Title (de)  
GARNSPANNUNGANPASSUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE RÉGLAGE DE TENSION DE FIL

Publication  
**EP 3753887 B1 20230315 (EN)**

Application  
**EP 20180365 A 20200616**

Priority  
JP 2019112448 A 20190618

Abstract (en)  
[origin: EP3753887A1] In a yarn tension adjusting device (2) that adjusts tension exerted on a yarn (Y) held between opposing surfaces (211 and 221) of first and second disks (21 and 22) opposing each other, the first disk (21) is movable toward or away from the second disk (22) on the same shaft (23). A permanent magnet (24) is disposed on the first disk (21), whereas an electromagnet (25) coupled to a power source to be capable of changing a magnetic pole and electric current is disposed on the second disk (22). A coil spring (27) that constantly urges the opposing surface (211) of the first disk (21) toward the opposing surface (221) of the second disk (22) is contracted between a screw member (28) screwed at a first end of the shaft (23) and a surface of the first disk (21) opposite to the opposing surface (211).

IPC 8 full level  
**B65H 59/22** (2006.01); **B65H 59/24** (2006.01); **D04B 15/44** (2006.01)

CPC (source: CN EP KR)  
**B65H 59/225** (2013.01 - EP); **D04B 15/44** (2013.01 - CN EP KR); **D04B 37/02** (2013.01 - KR); **B65H 2701/31** (2013.01 - EP)

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JP H0568764 A 19930323 - JUKI KK

Cited by  
EP4101965A1

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)  
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