

Title (en)  
THREAD TENSIONER

Title (de)  
FADENBREMSVORRICHTUNG

Title (fr)  
DISPOSITIF TENDEUR DE FIL

Publication  
**EP 1786715 B1 20091111 (DE)**

Application  
**EP 05778296 A 20050907**

Priority  
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Abstract (en)  
[origin: WO2006027233A1] The invention relates to a thread tensioner (B) comprising tensioning elements (E1, E2) that define a thread tensioning zone. In said tensioner, the first tensioning element (E1) rests on a stop (1) and the second tensioning element (E2) can be pressed against the first tensioning element (E1) by means of an adjustable magnetic contact force (Fm) produced by a magnetic armature (A) and a repelling magnetic actuator (M). The stop (1) is located on the opposite side of the thread tensioning zone from the first tensioning element (E1). The first tensioning element (E1) is stressed by a spring force (f2) in the direction of the second tensioning element (E2) against the stop (1). Said spring force (f2) is greater in the thread tensioning zone than the respectively adjusted maximum magnetic contact force (fm). The mass of (mE1) of the first tensioning element (E1) is smaller than the mass (mA) of the magnetic armature (A).

IPC 8 full level  
**B65H 59/22** (2006.01)

CPC (source: EP US)  
**B65H 59/22** (2013.01 - EP US); **B65H 2555/13** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

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EP 1786715 A1 20070523; EP 1786715 B1 20091111; US 2008257994 A1 20081023; US 7661621 B2 20100216; WO 2006027233 A1 20060316

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