

Title (en)

Device for tensioning warp yarns in a weaving loom.

Title (de)

Vorrichtung zum Spannen der Kettfäden in einer Webmaschine.

Title (fr)

Dispositif pour tendre les fils de chaîne dans un métier à tisser.

Publication

**EP 0458754 A1 19911127 (EN)**

Application

**EP 91810396 A 19910524**

Priority

JP 13452090 A 19900524

Abstract (en)

The device (9A,7A,10a,10b,11A) for tensioning the warp yarns (T) allows for tension by operation of the tensioning members (11A,11B) to apply tension to opposite lateral ends of warp yarn sheet and can be adjusted as necessary and required in accordance with the time of weft picking and/or the time of shed closing. Thus, timed application of tension to warp yarns at the time of picking provides for smooth separation of warp yarns at the lateral ends, thereby forming a shed opening without a delay. As a result, failure in weft picking due to inadequate and improper shed opening can be prevented successfully. The decrease of difference of tension in the open shed and the closed shed points in the weaving cycle reduces vibration of droppers and as a consequence also fluffing and even the number of breaks of warp threads (T). <IMAGE> <IMAGE>

IPC 1-7

**D03D 49/12**

IPC 8 full level

**D03D 49/12** (2006.01)

CPC (source: EP)

**D03D 49/12** (2013.01)

Citation (search report)

- [A] GB 918817 A 19630220 - SULZER AG
- [AD] FR 2339014 A1 19770819 - RUETI TE STRAKE BV [NL]
- [A] CH 250056 A 19470815 - DEWAS RAYMOND [FR]

Cited by

CN102817164A; US2017247819A1; US10287713B2

Designated contracting state (EPC)

BE DE FR IT

DOCDB simple family (publication)

**EP 0458754 A1 19911127; EP 0458754 B1 19951129**; DE 69114912 D1 19960111; DE 69114912 T2 19960801; JP 2987881 B2 19991206; JP H0434047 A 19920205

DOCDB simple family (application)

**EP 91810396 A 19910524**; DE 69114912 T 19910524; JP 13452090 A 19900524