

Title (en)

Weaving machine and warp tension controlling apparatus in a weaving machine for weaving a pile fabric

Title (de)

Webmaschine und Kettspannungssteuervorrichtung für eine Webmaschine zum Weben eines Florstoffes

Title (fr)

Machine à tisser et appareil de contrôle de la tension de la chaîne dans une machine à tisser pour le tissage de tissu à poils

Publication

**EP 1923493 B1 20110525 (EN)**

Application

**EP 07119298 A 20071025**

Priority

JP 2006310909 A 20061117

Abstract (en)

[origin: EP1923493A2] A warp tension controlling apparatus in a weaving machine for weaving a pile fabric, the waving machine includes a pile warp beam (22) and ground warp beam (1) in which the weaving machine performs negative easing of one or more ground warps (T) by swinging a biased tension roller (3), characterized in that the apparatus includes: a first biasing portion for providing a first biasing force to the tension roller (3) during a pile weaving step; and a second biasing portion for providing a second biasing force to the tension roller (3) during a border weaving step performed between the pile weaving steps, in addition to the first biasing force by the first biasing portion.

IPC 8 full level

**D03D 39/22** (2006.01)

CPC (source: EP)

**D03D 39/223** (2013.01); **D03D 49/18** (2013.01)

Designated contracting state (EPC)

BE DE IT

DOCDB simple family (publication)

**EP 1923493 A2 20080521**; **EP 1923493 A3 20090722**; **EP 1923493 B1 20110525**; CN 101182666 A 20080521; CN 101182666 B 20110112; JP 2008127691 A 20080605; JP 4973142 B2 20120711

DOCDB simple family (application)

**EP 07119298 A 20071025**; CN 200710169460 A 20071116; JP 2006310909 A 20061117