

Title (en)

Method and apparatus for measuring warp tension in a weaving loom

Title (de)

Verfahren und Vorrichtung zum Messen der Spannung der Webkette in einer Webmaschine

Title (fr)

Procédé et dispositif pour mesurer la tension de la chaîne dans un métier à tisser

Publication

**EP 0789097 B1 20000712 (DE)**

Application

**EP 96810074 A 19960205**

Priority

EP 96810074 A 19960205

Abstract (en)

[origin: EP0789097A1] A method of measuring warp tension in a loom entails leading the warp over a deflecting agent and a spring loaded tensioner which is caused to swivel about a pivot by warp action. A force sensor is attached to the tensioner to measure the force, F(M), transferred to it. This force is essentially the same over the swivel arc depending on the run of the warp and the geometrical arrangement of the deflecting agent, tensioner and pivot point. Also claimed are: (i) the apparatus for implementing the method comprising the deflecting agent (3), tensioner (15), pivot (16) and force sensor (25) which has a surface which deflects under pressure and at least one measuring element fixed to the face, wherein the force sensor and tensioner are so located to one another that the normal to the pressure-receiving surface and line of action of the force F(M) point in the same direction; and (ii) a loom using the apparatus which is then followed by a warp beam.

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CPC (source: EP US)

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