

Title (en)

Procedure for automatically regulating the braking force of a yarn brake situated in the hollow spindle of a two-for-one twisting spindle and two-for-one twisting spindle equipped with such a yarn brake.

Title (de)

Verfahren zum selbsttätigen Anpassen der Bremskraft einer in der Spindelhohlachse einer Doppeldraht-Zwirnspindel angeordneten Fadenbremse und mit einer entsprechenden Fadenbremse ausgerüstete Doppeldraht-Zwirnspindel.

Title (fr)

Procédé pour réguler automatiquement la force de freinage d'un frein de fil situé dans la broche creuse d'une broche à retordre à double torsion et broche à retordre à double torsion équipée d'un tel frein de fil.

Publication

**EP 0464424 B1 19950125 (DE)**

Application

**EP 91109766 A 19910614**

Priority

DE 4021272 A 19900704

Abstract (en)

[origin: EP0464424A1] A procedure for automatically adapting the braking force of a yarn brake located in the hollow spindle axle of a two-for-one twisting spindle to changed spindle speeds is characterised in that the vacuum generated by the suction-air stream of the rotating spindle and therefore dependent on the spindle speed acts on a braking surface (6) of the yarn brake in such a way that, with an increasing or decreasing speed of the two-for-one spindle, this braking surface is brought to bear against the brake body (7) with an increasing or decreasing pressure force. A two-for-one twisting spindle for carrying out this procedure, having a yarn brake which is located above the yarn storage disc in the region of the hollow spindle axle and which has at least one braking surface accommodated in a brake housing and a brake body bearing against the braking surface, is characterised in that the braking surface (6) forms part of a piston (14) which is displaceable in the axial direction in the brake housing (13) and which limits the top side of a vacuum chamber adjacent to the central orifice of the yarn guide channel (2.2) of the yarn storage disc (2.1) <IMAGE>

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