

Title (en)

CONTROL DEVICE FOR THE ROTATION SPEED OF THE SPINDLES OF A ROVING FRAME.

Title (de)

VORRICHTUNG ZUR STEUERUNG DER DREHZAHL DER SPINDELN EINER VORSPINNMASCHINE.

Title (fr)

DISPOSITIF DE COMMANDE DE LA VITESSE DE ROTATION DES BROCHES D'UN BANC A BROCHES.

Publication

EP 0036002 A1 19810923 (DE)

Application

EP 80901721 A 19810408

Priority

CH 876879 A 19790928

Abstract (en)

[origin: WO8100866A1] Control device for controlling the rotation speed of the spindles (2) of a roving frame fitted with spindles (2) and fly-wheels (7). The control comprises a variator (28) with a continuous adjustment, and which is adjusted by a step by step rotary control shaft (36). The control shaft (36) is driven by a servo-motor (39) which receives pulses from a control (37) comprising a regulator of the programmed order value and a correction means (60). In a particularly appropriate alternative, the correction means (60) is provided as a cross-bar distributor (65). This device is particularly useful for the operator and allows specially and extremely precise adjustment of the rotation speed of the spindles. This adjusting operation may be effected during running of the roving frame.

Abstract (fr)

Dispositif de commande de la vitesse de rotation des broches (2) d'un banc a broches equipe de broches (2) et de volants (7). La commande proposee comprend un variateur (28) a reglage continu, lequel est regle par un axe de commande (36) tournant pas a pas. L'axe de commande (36) est entraine par un servo-moteur (39), qui recoit ses impulsions d'une commande (37) comprenant un ajusteur de la valeur de consigne programme et un moyen de correction (60). Dans une variante particulierement avantageuse, le moyen de correction (60) se presente sous la forme d'un repartiteur a barres croisees (65). Ce dispositif est tres commode pour l'operateur et permet entre autres un reglage extremement precis de la vitesse de rotation des broches. Cette operation de reglage peut se faire pendant la marche du banc a broches.

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