

Title (en)

Method and device for controlling weft winding arm rotating signals in weft feeders for weaving looms

Title (de)

Verfahren und Vorrichtung zur Steuerung von Rotationssignale des Fadenzuführungsrohr in Fadenliefervorrichtungen für Webmaschinen

Title (fr)

Procédé et dispositif pour contrôler les signaux de rotation du bras d'enroulement du fil de trame dans les fournisseurs de trame pour métiers à tisser

Publication

**EP 1050610 B1 20040915 (EN)**

Application

**EP 00109087 A 20000503**

Priority

IT TO990369 A 19990507

Abstract (en)

[origin: EP1050610A2] The method consists in using, in order to detect the passage of at least one moving magnet (M) associated with the flywheel (VO) that rotates jointly with the weft winding arm, a first magnetic sensor and a second magnetic sensor (H1-H2) which are mutually spaced by a preset distance (D) and are adjacent to the circular path of the at least one magnet, and in sampling the signals (WSP1-WSP2) of the first and second sensors (H1-H2) in order to extract from them, as regards counting the number (NS) of turns wound on the drum (TA), transition criteria (DX -> OUT; OUT -> DX; and, vice versa,  $A \geq N$ ) which indicate that a complete rotation of said arm (BR) has occurred and that said number (NS) of turns has consequently increased or decreased. <IMAGE>

IPC 1-7

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IPC 8 full level

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