

Title (en)

Method and device for determining weight data for weaving operation and weight controller for weaving operation

Title (de)

Verfahren und Vorrichtung zur Ermittlung von Gewichtsdaten für Webvorgänge und Gerät zur Regelung des Gewichts für Webvorgänge

Title (fr)

Procédé et dispositif pour la détermination des données de poids en cours de tissage et unité de régulation du poids en cours de tissage

Publication

EP 1505183 A3 20051130 (EN)

Application

EP 04017658 A 20040726

Priority

JP 2003206551 A 20030807

Abstract (en)

[origin: EP1505183A2] According to a method for determining weight data during a weaving operation, the weight of a cloth roller (14) disposed in a loom (1) or the weight of a feeding beam (3, 50, 64) is measured for every measurement interval to determine a weight change of the cloth roller (14) or the feeding beam (3, 50, 64) in a corresponding measurement interval. The length of cloth (8) woven during the measurement interval is determined. Based on the determined weight change and the cloth-length data in the measurement interval, a relationship between the weight and the length of the woven cloth (8) or between the warp weight and the length of the woven cloth (8) is determined. A weight-data determining device (100) for a weaving operation includes a weighing unit (30) for detecting the weight of the cloth roller (14) for every measurement interval; a cloth-length measuring unit (32) for detecting the length of cloth (8) woven during a corresponding measurement interval; and a weight/length rate determining unit (33) which determines the relationship between the weight and the length of the cloth (8) based on a weight change of the cloth roller (14) in the measurement interval and on the cloth-length data in the measurement interval. The weight change is determined based on detected weight values of the weighing unit (30). <IMAGE>

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