Title (en)

Air-type tuck-in method and corresponding device for pile loom

Title (de)

Verfahren zum Einlegen von Schussenden mit Luft und entsprechende Vorrichtung für eine Frottierwebmaschine

Title (fr)

Procédé à replier les bouts de fils de trame à air et métier à tisser pour tissus à poil

Publication

EP 1914334 B1 20100630 (EN)

Application

EP 07018833 A 20070925

Priority

- JP 2006282059 A 20061016
- JP 2007161974 A 20070620

Abstract (en)

[origin: EP1914334A1] An air-type tuck-in device (30) is provided for a pile loom including a terry motion member (17) that changes a cloth-fell position and a beating-up position relative to each other, a dedicated actuator (SM) for the terry motion member (17), the air-type tuck-in device (30), a tuck-in controlling device (10), a setting device (14) that has set therein, as control data, a plurality of terry modes, and a terry motion controlling device (15) that controls the actuator (SM). The setting device (14) has recorded therein a plurality of tuck-in modes including, as information, the number of picks constituting one unit of pile formation cycle and particular picks at which tuck-in operations are performed. At least one of the number of picks and the particular picks is different in the plurality of tuck-in modes. The setting device (14) has set therein, as control data, the tuck-in modes for the respective terry modes. The tuck-in controlling device (10) performs a controlling operation on the basis of the tuck-in mode that is changed during the operation of the loom.

IPC 8 full level

D03D 39/22 (2006.01); **D03D 47/48** (2006.01)

CPC (source: EP)

D03D 39/22 (2013.01); **D03D 47/48** (2013.01)

Cited by

EP2330239A1; EP3650594A1; CN111155227A

Designated contracting state (EPC)

BE CH DE IT LI

DOCDB simple family (publication)

EP 1914334 A1 20080423; **EP 1914334 B1 20100630**; DE 602007007419 D1 20100812; JP 2008121178 A 20080529; JP 4965352 B2 20120704

DOCDB simple family (application)

EP 07018833 A 20070925; DE 602007007419 T 20070925; JP 2007161974 A 20070620