Title (en)

Method to form a first and/or second hight of pile while weaving terry fabrics and loom for carrying out the method

Title (de)

Verfahren zum Bilden erster und/oder zweiter Florhöhen beim Weben von Frottiergewebe und Webmaschine zur Durchführung des Verfahrens

Title (fr)

Procédé pour former une première et/ou une seconde hauteur de poils pendant le tissage de tissus éponge et métier à tisser pour mettre en oeuvre ce procédé

Publication

EP 0979891 B1 20030122 (DE)

Application

EP 99113952 A 19990717

Priority

DE 19836453 A 19980812

Abstract (en)

[origin: US6112773A] Two different pile heights (a, b) can be selectively formed during the weaving of terry fabric on a loom by shifting the fabric with its actual beat-up line (10a) back and forth relative to a base beat-up line (3). First and second fabric shifting oscillating motions are performed by first and second power or motion transmission couplings (4, 11) driven through eccentric drives (5, 12) from a main loom drive shaft (DS) and controlled through valves by a central loom control (22) in such a way that a second oscillation with a different amplitude is superimposed on a first oscillation between beat-up groups of weft beat-up motions including partial weft beat-ups and a full weft beat-up motion of a reed (2) in the loom. Different oscillation amplitudes cause a beat-up line shift of different length (a or b) whereby different pile heights are formed.

IPC 1-7

D03D 39/22

IPC 8 full level

D03D 39/22 (2006.01)

CPC (source: EP US)

D03D 39/226 (2013.01 - EP US)

Cited by

DE10023444A1; CN110714260A; US6367511B2; US6390144B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6112773 A 20000905; AT E231572 T1 20030215; DE 19836453 C1 19991125; DE 59904077 D1 20030227; EP 0979891 A1 20000216; EP 0979891 B1 20030122; JP 2000064151 A 20000229; JP 3108066 B2 20001113

DOCDB simple family (application)

US 37349899 A 19990812; AT 99113952 T 19990717; DE 19836453 A 19980812; DE 59904077 T 19990717; EP 99113952 A 19990717; JP 22622599 A 19990810