

Title (en)

Electrically-controlled device for programmable weft cutting in weaving looms

Title (de)

Elektrisch gesteuerte Vorrichtung zum programmierbar Schneiden von Schussfäden in Webmaschinen

Title (fr)

Dispositif à commande électrique pour programmer la coupe du fil de trame dans des métiers à tisser

Publication

EP 1498524 A3 20051116 (EN)

Application

EP 04102442 A 20040601

Priority

IT MI20031464 A 20030717

Abstract (en)

[origin: EP1498524A2] In an electrically-controlled device for programmable weft cutting in gripper weaving looms, of the type comprising two blades (1, 2) to be operated at the time of insertion of the weft (T) into the carrying gripper (P), said blades (1, 2) are controlled by cam means (5 to 8) driven by an electric motor (9) programmable according both to the main motion of the loom and to the textile features of the weft yarn. Said blades (1, 2) are carried by two oscillating arms (3, 4) and said cam means comprise two cams (7, 8) arranged side by side and mounted coaxially on the shaft (9A) of the programmable motor (9), and the relative cam followers (5, 6) carried by said blade-mounting arms (3, 4). These arms (3, 4) are preferably mounted parallel to each other and side by side, oscillating about the same axis (O), the shaft (9A) of the motor (9) and of the cams (7, 8) being parallel to the oscillation axis (O) of the blade-mounting arms (3, 4). <IMAGE>

IPC 1-7

D03D 49/70

IPC 8 full level

D03D 49/70 (2006.01)

CPC (source: EP)

D03D 49/70 (2013.01)

Citation (search report)

- [X] EP 0679744 A1 19951102 - PANTER SRL [IT]
- [A] US 4834145 A 19890530 - LEWYLLIE DIRK [BE], et al
- [A] EP 0867543 A2 19980930 - DORNIER GMBH LINDAUER [DE]
- [A] FR 2276411 A1 19760123 - RUETI AG MASCHF [CH]
- [A] US 6273150 B1 20010814 - SHAW HENRY [FR], et al
- [DA] EP 0839938 A1 19980506 - RUETI AG MASCHF [CH]
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 043 (C - 0801) 31 January 1991 (1991-01-31)

Cited by

BE1017485A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1498524 A2 20050119; EP 1498524 A3 20051116; EP 1498524 B1 20090722; AT E437258 T1 20090815; DE 602004022109 D1 20090903; HK 1073339 A1 20050930; IT MI20031464 A1 20050118

DOCDB simple family (application)

EP 04102442 A 20040601; AT 04102442 T 20040601; DE 602004022109 T 20040601; HK 05105932 A 20050712; IT MI20031464 A 20030717