

Title (en)

Gripper strap with variable thickness for gripper looms.

Title (de)

Greiferband mit variabler Dicke für Greiferwebmaschinen.

Title (fr)

Ruban pour aiguille avec épaisseur variable pour métiers à aiguilles.

Publication

EP 0412453 B1 19940518 (EN)

Application

EP 90114955 A 19900803

Priority

IT 2148289 A 19890809

Abstract (en)

[origin: EP0412453A1] In a gripper strap (N) for gripper looms, the thickness of the strap (N) is gradually reduced, over at least part of its cross section, starting from an area (2) close to the end (3) carrying the gripper and extending towards the opposite end (4). In said strap (N), the notches into which engage the teeth of the wheel moving the strap follow at a variable distance, depending on the position taken up therein by the neutral bending axis.

IPC 1-7

D03D 47/27; **D03D 47/12**

IPC 8 full level

D03D 47/12 (2006.01); **D03D 47/27** (2006.01)

CPC (source: EP KR)

D03D 47/27 (2013.01 - KR); **D03D 47/272** (2013.01 - EP); **D03D 47/276** (2013.01 - EP); **D03D 47/277** (2013.01 - EP)

Cited by

WO2018028899A1; BE1024494B1; CN109563658A; BE1022754B1; US11324908B2; WO2016134973A1; US10716912B2; US11904097B2; EP3497273B1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0412453 A1 19910213; **EP 0412453 B1 19940518**; AT E105879 T1 19940615; BR 9003888 A 19910903; CN 1023331 C 19931229; CN 1049878 A 19910313; CS 9003934 A2 19911217; CZ 281780 B6 19970115; DE 69008968 D1 19940623; DE 69008968 T2 19940915; DK 0412453 T3 19941003; ES 2056318 T3 19941001; IT 1230810 B 19911029; IT 8921482 A0 19890809; JP 2937434 B2 19990823; JP H03137247 A 19910611; KR 910004867 A 19910329; KR 970008885 B1 19970530; SK 279146 B6 19980708

DOCDB simple family (application)

EP 90114955 A 19900803; AT 90114955 T 19900803; BR 9003888 A 19900808; CN 90107361 A 19900809; CS 393490 A 19900809; DE 69008968 T 19900803; DK 90114955 T 19900803; ES 90114955 T 19900803; IT 2148289 A 19890809; JP 21142290 A 19900809; KR 900012224 A 19900809; SK 393490 A 19900809