

Title (en)

Weft insertion apparatus and rapier band for rapier loom

Title (de)

Schusseintragsvorrichtung und Eintragsband für Greiferwebmaschinen

Title (fr)

Dispositif d'insertion de la trame et ruban d'insertion pour métiers à tisser à griffes

Publication

EP 1028184 A1 20000816 (EN)

Application

EP 00101649 A 20000201

Priority

JP 3134699 A 19990209

Abstract (en)

A highly abrasion-resistant rapier band having a high bending rigidity across the width direction thereof even after abrasion, and a long life is provided. The rapier band (12) has a laminated structure including a core member (28) and a pair of woven fabrics for preventing abrasion (19, 20). The woven fabrics for preventing abrasion (19, 20) are of satin weave consisting of warp threads (T) and weft threads (Y). A reinforcing compensation layer (t1) made of fibers for compensating for the bending rigidity across the width direction of the rapier band (12) lies beneath each woven fabric for preventing abrasion (19, 20), with the surface of the reinforcing compensation layer (t1) away from the center (S1) of the thickness (S) of the rapier band (12). <IMAGE>

IPC 1-7

D03D 47/27

IPC 8 full level

D03D 47/27 (2006.01)

CPC (source: EP)

D03D 47/272 (2013.01); **D03D 47/276** (2013.01)

Citation (search report)

- [PX] EP 0939155 A2 19990901 - TOYODA AUTOMATIC LOOM WORKS [JP]
- [A] EP 0414214 A2 19910227 - NESTE OY [FI]
- [A] DE 4035101 A1 19910508 - NUOVO PIGNONE SPA [IT]
- [A] FR 2582322 A3 19861128 - LAMIFLEX SRL [IT]

Cited by

CN102912530A

Designated contracting state (EPC)

BE IT

DOCDB simple family (publication)

EP 1028184 A1 20000816; EP 1028184 B1 20040623

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