

Title (en)
REED FOR HIGH SPEED LOOM

Title (de)
WEBBLATT FÜR HOCHGESCHWINDIGKEITSWEBMASCHINEN

Title (fr)
PEIGNE POUR METIER RAPIDE

Publication
EP 0550752 B1 19960410 (EN)

Application
EP 91916946 A 19910926

Priority
• JP 9101310 W 19910926
• JP 11933890 U 19901116
• JP 10186590 U 19900928

Abstract (en)
[origin: WO9206234A1] A diamond-like carbon (DLC) film is spread over the dents of a reed as a part of a high speed loom at a part of the dents requiring the highest resistance-to-wear. When using stainless steel as a base material of the dents, DLC film is spread through an intermediate layer comprising, for example, a titanium carbide layer. Reed dents covered with a DLC layer are arranged at side ends of the reed which are likely to wear severely and, at the middle portion of the reed, dents covered with comparatively inexpensive hard film or non-treated dents are arranged so that degrees of wear of reed dents may be uniform throughout the reed for enabling reduction in cost. A reed of this invention is applicable to a variety of fibers such as natural fibers, synthetic ones, and new material ones, whereby durability of a reed is markedly increased at low cost.

IPC 1-7
D03D 49/62

IPC 8 full level
D03D 49/62 (2006.01)

CPC (source: EP KR)
D03D 47/278 (2013.01 - EP); **D03D 49/62** (2013.01 - EP KR)

Cited by
CN102719976A; EP0943712A1; FR2776310A1; DE10331503A1; CN1037987C; EP0659920A1; US5447181A; US5758696A; DE4429943C1; US5658394A; EP0707104A3; DE4480113T1; GB2301119B; US5762110A; DE4480113B4; EP0707104A2; US6338881B1; WO9810117A1; WO2005021851A1; EP3792382A1; WO2021048131A1

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
WO 9206234 A1 19920416; DE 69118705 D1 19960515; DE 69118705 T2 19961002; EP 0550752 A1 19930714; EP 0550752 A4 19940126; EP 0550752 B1 19960410; HK 22297 A 19970227; JP 2953673 B2 19990927; KR 930702569 A 19930909; KR 940010803 B1 19941116

DOCDB simple family (application)
JP 9101310 W 19910926; DE 69118705 T 19910926; EP 91916946 A 19910926; HK 22297 A 19970227; JP 51581691 A 19910926; KR 930700836 A 19930319