

Title (en)

AXIAL DISC BRAKE AND THREAD FEED FITTED THEREWITH

Title (de)

AXIALE SCHEIBENBREMSE UND FADENLIEFERGERÄT MIT AXIALER SCHEIBENBREMSE

Title (fr)

FREIN A DISQUE AXIAL ET APPAREIL D'ALIMENTATION EN FIL EQUIPE D'UN TEL FREIN

Publication

**EP 0892864 A1 19990127 (DE)**

Application

**EP 97914308 A 19970325**

Priority

- DE 19613055 A 19960401
- EP 9701523 W 19970325

Abstract (en)

[origin: DE19613055A1] In an axial disc brake (B), especially for a thread feed, having dynamically balanced and dimensionally stable braking surfaces (1, 2) pressed against each other yieldingly by under a predetermined pressure, one of which has a central withdrawal aperture and is arranged on a brake component which is supported to move at least axially, one braking surface (1) is spherically convex and the other (2) is tapered with a taper axis fitting at least approximately in the axis (3) of the disc brake (B) and the taper generator in the contact region (C) of the braking surfaces (1, 2) is a tangent (T) of the generating circle of the spherically convex braking surface (1). The axial disc brake (B) is preferably fitted on the front of a storage drum (D) of a thread feed (F) for a gripper or shuttle loom in such a way that the thread unwinding over head clockwise from the storage drum (D) and rotating along a thread guide (6) is taken directly without deflection into the contact region of the braking surface and is only gently deflected axially again after passing the contact region.

IPC 1-7

**D03D 47/34**; **B65H 51/22**

IPC 8 full level

**D03D 47/34** (2006.01); **B65H 51/22** (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP KR US)

**D03D 47/34** (2013.01 - KR); **D03D 47/364** (2013.01 - EP US); **D03D 47/366** (2013.01 - EP US)

Citation (search report)

See references of WO 9737069A1

Designated contracting state (EPC)

BE DE FR IT NL SE

DOCDB simple family (publication)

**DE 19613055 A1 19971002**; CN 1063242 C 20010314; CN 1215442 A 19990428; DE 59702079 D1 20000831; EP 0892864 A1 19990127; EP 0892864 B1 20000726; KR 100293647 B1 20010807; KR 20000004939 A 20000125; US 6257516 B1 20010710; WO 9737069 A1 19971009

DOCDB simple family (application)

**DE 19613055 A 19960401**; CN 97193571 A 19970325; DE 59702079 T 19970325; EP 9701523 W 19970325; EP 97914308 A 19970325; KR 19980707515 A 19980922; US 15570599 A 19990726