

Title (en)
GRIPPER SHUTTLE LOOM

Publication
EP 0181413 B1 19890118 (DE)

Application
EP 84113679 A 19841113

Priority
EP 84113679 A 19841113

Abstract (en)
[origin: US4635684A] The projectile weaving machine is provided with a torsion bar arrangement wherein oil is delivered to a central part of the torsion bar during operation. The oil circuit includes an oil entry in or near the torsion bar mounting and an annular chamber which is defined by a casing part about the torsion bar. A cooler is also provided in the oil circuit for cooling of the oil and the hydraulic brake assembly for the torsion bar is incorporated in the oil circuit.

IPC 1-7
D03D 47/24; **D03J 1/00**

IPC 8 full level
D03D 49/24 (2006.01); **D03D 47/24** (2006.01); **D03J 1/00** (2006.01)

CPC (source: EP US)
D03D 47/24 (2013.01 - EP US); **D03J 1/003** (2013.01 - EP US); **D03J 1/008** (2013.01 - EP US)

Cited by
EP0418513A3

Designated contracting state (EPC)
CH DE IT LI

DOCDB simple family (publication)
EP 0181413 A1 19860521; **EP 0181413 B1 19890118**; DE 3476230 D1 19890223; JP S61119750 A 19860606; SU 1407405 A3 19880630; US 4635684 A 19870113

DOCDB simple family (application)
EP 84113679 A 19841113; DE 3476230 T 19841113; JP 25360485 A 19851112; SU 3969755 A 19851030; US 79542985 A 19851106