

Title (en)
Beating device for loom

Title (de)
Webladenvorrichtung für eine Webmaschine

Title (fr)
Dispositif de battant pour métier à tisser

Publication
EP 1602760 A3 20060531 (EN)

Application
EP 05005522 A 20050314

Priority
JP 2004162336 A 20040531

Abstract (en)
[origin: EP1602760A2] A beating device (50) for a loom includes a plurality of rocking shafts (7, 9) disposed distant from each other in a width direction of cloth to be woven by the loom; a balance shaft (11, 12) disposed farther away from a reed (5) than the rocking shafts and extending in said width direction, the balance shaft being disposed between the neighboring rocking shafts; and a pair of connection units (41, 42) for respectively connecting two opposite ends of the balance shaft with ends of the neighboring rocking shafts. The balance shaft is non-circular in cross-section such that a rocking-direction flexural-rigidity of the balance shaft is greater than a flexural-rigidity of the balance shaft in a direction perpendicular to the rocking direction.

IPC 8 full level
D03D 49/60 (2006.01)

CPC (source: EP KR)
D03D 49/60 (2013.01 - EP); **F21K 9/235** (2016.07 - KR); **F21K 9/237** (2016.07 - KR); **F21Y 2115/10** (2016.07 - KR)

Citation (search report)

- [A] US 4076048 A 19780228 - BOLLETER ULRICH, et al
- [A] US 5109890 A 19920505 - STACHER ANGELO [CH], et al
- [A] EP 0786548 A1 19970730 - TOYODA AUTOMATIC LOOM WORKS [JP]
- [A] FR 2326511 A1 19770429 - ALSACIENNE CONSTR MECA [FR]

Cited by
CN105525425A; CN102257197A; EP2379784A4

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 05005522 A 20050314; CN 200510066859 A 20050429; DE 602005012457 T 20050314; JP 2004162336 A 20040531; KR 20050036165 A 20050429; TW 94117410 A 20050527