

Title (en)

CREEL EQUIPPED WITH TWISTING DEVICE.

Title (de)

SPULENGATTER MIT ZWIRNVORRICHTUNG.

Title (fr)

RATELIER EQUIPE D'UN DISPOSITIF A RETORDRE.

Publication

EP 0616063 A4 19950118 (EN)

Application

EP 92919968 A 19920921

Priority

- CA 2104473 A 19920921
- JP 9201202 W 19920921
- SG 1996006862 A 19920921

Abstract (en)

[origin: EP0616063A1] A creel equipped with devices for twisting nontwisted yarns and feeding the twisted yarns directly to specific machine such as a loom or a warper, and designed such that a required number of bobbins (3) on each of which an untwisted yarn (2) is wound are disposed and said yarns (2) are drawn from said bobbins (3) to be twisted while being fed to a specific machine in parallel with each other at the same time, which creel is provided with: spindles (5) to fixedly support and rotate said bobbins (3); driving mechanisms (6 and 6a) to drive said spindles (5); bobbin attachments (7) each fixed to the forward end of said bobbin (3) fixedly supported by said spindle (5) and having a yarn storage part (8) on which a yarn adjusting ring (9) is fitted; so that said nontwisted yarn (2) is drawn from said bobbin (3), passed through said yarn storage part (8) and yarn adjusting ring (9), and then twisted while guided toward the specific machine and supplied to the machine as a twisted yarn (4). <IMAGE>

IPC 1-7

D03J 1/02; **D02H 1/00**; **D03D 49/16**

IPC 8 full level

D01H 1/00 (2006.01); **D02H 1/00** (2006.01); **D03D 49/16** (2006.01); **D03J 1/02** (2006.01)

CPC (source: EP)

D01H 1/003 (2013.01); **D02H 1/00** (2013.01); **D03D 49/16** (2013.01); **D03J 1/02** (2013.01)

Citation (search report)

- [A] US 4789008 A 19881206 - KIKUCHI KOICHI [JP]
- See references of WO 9406958A1

Cited by

KR100895062B1; EP0732433A4; EP1321549A3; WO2015185409A1

Designated contracting state (EPC)

BE DE ES GB IT

DOCDB simple family (publication)

EP 0616063 A1 19940921; **EP 0616063 A4 19950118**; **EP 0616063 B1 19971119**; CA 2104473 A1 19940322; CA 2104473 C 19971007; DE 69223256 D1 19980102; DE 69223256 T2 19980326; ES 2109372 T3 19980116; SG 43953 A1 19971114; WO 9406958 A1 19940331

DOCDB simple family (application)

EP 92919968 A 19920921; CA 2104473 A 19920921; DE 69223256 T 19920921; ES 92919968 T 19920921; JP 9201202 W 19920921; SG 1996006862 A 19920921