

Title (en)
FEED SYSTEM FOR A JET LOOM

Title (de)
EINTRAGSYSTEM FÜR EINE DÜSENWEBMASCHINE

Title (fr)
SYSTEME D'ALIMENTATION POUR METIER A INJECTION

Publication
EP 0740713 B1 19980401 (DE)

Application
EP 94922262 A 19940706

Priority
• DE 4324160 A 19930719
• EP 9402208 W 19940706

Abstract (en)
[origin: US5660213A] PCT No. PCT/EP94/02208 Sec. 371 Date Apr. 23, 1996 Sec. 102(e) Date Apr. 23, 1996 PCT Filed Jul. 6, 1994 PCT Pub. No. WO95/03442 PCT Pub. Date Feb. 2, 1995An insertion system for the weft yarn of a jet loom, comprising a jet insertion device in the jet loom for withdrawing the weft yarn and for transporting the same into a shed, and a weft-yarn storage, supply and measuring device arranged upstream of the jet insertion device. The weft-yarn storage, supply and measuring device including a weft-yarn stopping and releasing device which is controllable in response to a weaving cycle. The insertion system also includes a mechanical weft-yarn slip conveyor arranged in the yarn path of the weft-yarn stopping and releasing device relative to the jet insertion device, which comprises at least on conveyor roller rotating in the insertion direction of the weft yarn at a faster circumferential speed than the maximum weft-yarn insertion speed and can be deactivated while the conveyor roller is rotating during the insertion process. With the slip conveyor activated, the weft yarn surrounds at least a partial region of the circumferential surface of the roller and can be acted upon with a slip conveyor force determined by the withdrawal tension in the weft yarn. The insertion system further includes a yarn brake arranged in the yarn path at the slip conveyor or downstream of the slip conveyor, which can be engaged in response to the weaving cycle.

IPC 1-7
D03D 47/30; **D03D 47/34**

IPC 8 full level
D03D 47/30 (2006.01); **D03D 47/34** (2006.01)

CPC (source: EP KR US)
D03D 47/34 (2013.01 - EP KR US)

Designated contracting state (EPC)
BE CH DE IT LI NL SE

DOCDB simple family (publication)
US 5660213 A 19970826; CN 1039841 C 19980916; CN 1129466 A 19960821; CZ 16396 A3 19960417; CZ 284532 B6 19981216; DE 4324160 A1 19950126; DE 59405606 D1 19980507; EP 0740713 A1 19961106; EP 0740713 B1 19980401; JP 3427897 B2 20030722; JP H09500426 A 19970114; KR 960703678 A 19960831; WO 9503442 A1 19950202

DOCDB simple family (application)
US 58684396 A 19960423; CN 94193110 A 19940706; CZ 16396 A 19940706; DE 4324160 A 19930719; DE 59405606 T 19940706; EP 9402208 W 19940706; EP 94922262 A 19940706; JP 50489495 A 19940706; KR 19960700352 A 19960119