Title (en)

Heddle separating device for warp drawing-in apparatus.

Title (de)

Vorrichtung zum Vereinzeln von Litzen für Kettfadeneinziehmaschinen.

Title (fr)

Dispositif pour séparer les lisses dans les appareils à passer les fils de chaîne.

Publication

EP 0448957 B1 19950628 (DE)

Application

EP 91102492 A 19910221

Priority

CH 70690 A 19900306

Abstract (en)

[origin: JPH04361649A] PURPOSE: To enable sure selection and separation even for any type of head by removing the frontmost heald of a heald stack after once displacing it to the intermediate position with the stroke movement of a select member, separating and removing it. CONSTITUTION: In the selecting and separating device of the heald in the drawing-in machine, the heald stack LS hung down on a heald supporting rail 13 is transported to the stopping position 20 of a selecting and separating station SP through the turning of a turning member 17 along a guide channel formed of guide rails 16, 18. Successively, the heald is selected and separated by displacing it to the intermediate position ZP in the state of fixing the frontmost heald LI1 of the heald stack LS with the stroke movement of a piston crossing the above heald stack LS by working a selector member 21 arranged so as to be faced to the two steps at the upper and the lower parts. Successively, the heald LI1 is removed from the heald supporting rail 13 through a plunger 24 arranged at the above intermediate position ZP, and also, this heald LI1 is transferred to a transporting unit 25 for transporting the heald to the drawing-in position.

IPC 1-7

D03J 1/14

IPC 8 full level

D04B 1/14 (2006.01); **D03J 1/14** (2006.01)

CPC (source: EP KR US)

D03J 1/14 (2013.01 - EP KR US)

Cited by

CN1085262C; US5448811A; EP0478513A1; EP0780501A1; US5826745A; EP0789098A1; US6230377B1; WO9915723A1; WO9318215A1; WO0068479A1; WO0061847A1

Designated contracting state (EPC)

AT BE DE DK ES FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0448957 A1 19911002; **EP 0448957 B1 19950628**; AT E124476 T1 19950715; AU 641979 B2 19931007; AU 7109091 A 19910912; CA 2035273 A1 19910907; CA 2035273 C 20000627; CH 680933 A5 19921215; CS 9100560 A2 19911015; CZ 280498 B6 19960214; DE 59105816 D1 19950803; DK 0448957 T3 19951030; ES 2073600 T3 19950816; JP 2913430 B2 19990628; JP H04361649 A 19921215; KR 0173464 B1 19990218; KR 910016997 A 19911105; PT 96941 A 19930129; RU 2092635 C1 19971010; SK 280224 B6 19991008; US 5184380 A 19930209

DOCDB simple family (application)

EP 91102492 A 19910221; AT 91102492 T 19910221; AU 7109091 A 19910215; CA 2035273 A 19910130; CH 70690 A 19900306; CS 56091 A 19910304; DE 59105816 T 19910221; DK 91102492 T 19910221; ES 91102492 T 19910221; JP 11571291 A 19910227; KR 910002655 A 19910219; PT 9694191 A 19910305; SK 56091 A 19910304; SU 4894708 A 19910305; US 66515591 A 19910306