

Title (en)
Sorting device for weft yarns

Title (de)
Schussfadenwählvorrichtung

Title (fr)
Dispositif de sélection pour fils de trame

Publication
EP 0863237 A1 19980909 (EN)

Application
EP 97830090 A 19970303

Priority
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Abstract (en)
A sorting device for weft yarns suitable to be applied to looms to feed, cut and thread the sorted weft yarn into a bearing gripper (5), comprising: a package (2) of heddles (3) placed side by side and parallel to one another, each heddle carrying a weft yarn; a means for sorting and extracting (11) each heddle (3), comprising an electromagnet (12), which sorts and unlocks a heddle (3), and a lever (20) activated by a first parallel axis oscillator (25), provided with conjugated cam shifting means (6) and roller feeler (26), which extracts the sorted heddle (3) from package (2); a means for sorting and cutting (44) the sorted yarn (4) and its shifting to the bearing gripper (5), activated by a third and a fourth conjugated cam (6", 6''') oscillator (25", 25'''), and a means (32) for feeding the sorted yarn (4) from the sorting means (11) to the locking and cutting means (44), activated by a second conjugated cam (6') oscillator (25'). All the conjugated cams (6, 6', 6", 6''') are located on a rotary shaft (7) and activated at the same time and in a synchronous manner by a motor of the loom. <IMAGE>

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- [A] DE 3042053 C1 19821111 - DORNIER GMBH LINDAUER
- [A] DE 2526766 A1 19760909
- [A] GB 2130608 A 19840606 - DORNIER GMBH LINDAUER
- [A] DE 3124358 A1 19830217 - VAUPEL TEXTILMASCH [DE]
- [A] GB 2233355 A 19910109 - NUOVO PIGNONE SPA [IT]
- [A] BE 641519 A
- [A] BE 646349 A

Cited by
EP1016745A3; CN102471956A; US8550123B2; US8656962B2; WO2011015173A1

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