

Title (en)

Electric selvage device control method for fluid-jet loom

Title (de)

Steuerungsverfahren für eine elektrische Leistenbildungsvorrichtung einer Düsenwebmaschine

Title (fr)

Procédé de commande pour un dispositif de formation de lisière dans le métier à jet de fluide

Publication

EP 1331294 A3 20040102 (EN)

Application

EP 03001452 A 20030122

Priority

JP 2002014858 A 20020123

Abstract (en)

[origin: EP1331294A2] An electric selvage device control method times the selvage shed closing operation of an electric selvage device (3) to close a selvage shed (18) of selvage yarns (17) by the electric selvage device (3) at an optimum phase of a weaving cycle. A sensor (25, 26, 27, 44, 45) provides a detection signal upon the detection of the passage of a picked weft yarn (2) by a predetermined position. The electric selvage device (3) is driven on the basis of the detection signal for the selvage shed closing operation to grip the picked weft yarn (2) by the selvage yarns (17) without obstructing the travel of the picked weft yarn (2) at the earliest possible phase of the weaving cycle. <IMAGE>

IPC 1-7

D03C 11/00; **D03D 47/40**; **D03D 51/02**

IPC 8 full level

D03D 47/30 (2006.01); **D03C 7/00** (2006.01); **D03D 47/40** (2006.01); **D03D 47/44** (2006.01); **D03D 51/00** (2006.01)

CPC (source: EP)

D03C 7/00 (2013.01); **D03D 47/3066** (2013.01); **D03D 47/40** (2013.01); **D03D 51/007** (2013.01)

Citation (search report)

- [A] US 6286560 B1 20010911 - SCHWEMMLEIN CHRISTOPH [DE], et al
- [A] DE 4405778 C1 19950803 - DORNIER GMBH LINDAUER [DE]
- [A] BE 1007897 A3 19951114 - PICANOL NV [BE]

Cited by

EP1726696A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

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EP 1331294 A2 20030730; **EP 1331294 A3 20040102**; CN 1434160 A 20030806; JP 2003221747 A 20030808

DOCDB simple family (application)

EP 03001452 A 20030122; CN 03103376 A 20030123; JP 2002014858 A 20020123