

Title (en)

TRANSPORTATION AND MANIPULATION SYSTEM FOR MULTIPOST TEXTILE MACHINES, IN PARTICULAR TWISTING MACHINES

Publication

EP 0384978 A3 19910515 (DE)

Application

EP 89123872 A 19891223

Priority

DE 3906718 A 19890303

Abstract (en)

[origin: US4979360A] A transport and handling system for multi-position textile machines, in particular twisting machines, comprising a first track system, the path of which extends along the longitudinal sides of the machines, and which accommodates at least one automated handling device to perform servicing operations, and further comprising a second track systems, the path of which extends likewise along the longitudinal sides of the machines, and along which transport devices travel, which are adapted to be combined to trains and to receive working materials and/or working means. The paths of the two track systems extend parallel to each other over at least a portion such that the automated handling device is adapted to both engage with the transport devices and move past same. The automated handling device possesses a coupling drive means to carry the transport devices along portions of the path extending parallel to each other and to produce relative movements between the automated handling device and the transport devices both when the automated handling device is stopped and when it is moved.

IPC 1-7

D01H 9/18; **D01H 9/10**

IPC 8 full level

D01H 9/10 (2006.01); **B65H 67/04** (2006.01); **B65H 67/06** (2006.01); **D01H 9/00** (2006.01); **D01H 9/18** (2006.01)

CPC (source: EP US)

B65H 67/065 (2013.01 - EP US); **D01H 9/006** (2013.01 - EP US); **D01H 9/18** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

- [A] DE 3601832 A1 19870723 - ZINSER TEXTILMASCHINEN GMBH [DE]
- [AP] EP 0314631 A1 19890503 - MARZOLI & C SPA [IT]
- [AP] EP 0307806 A1 19890322 - TOYODA AUTOMATIC LOOM WORKS [JP], et al
- [AD] DE 2521370 A1 19761125 - ZINSER TEXTILMASCHINEN GMBH
- [AD] DE 1510865 B1 19700723 - PALITEX PROJECT CO GMBH
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 148 (C-493)(2995) 07 Mai 1988, & JP-A-62 263332 (TOYODA AUTOM LOOM WORKS LTD) 16 November 1987,

Cited by

EP0536540A1; EP1568806A3; EP0502705A1; US5226922A; WO2007036335A1

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0384978 A2 19900905; **EP 0384978 A3 19910515**; CS 9001033 A2 19910813; CZ 278306 B6 19931117; DE 3906718 A1 19900906; JP H03216465 A 19910924; US 4979360 A 19901225

DOCDB simple family (application)

EP 89123872 A 19891223; CS 103390 A 19900302; DE 3906718 A 19890303; JP 3988890 A 19900222; US 48279590 A 19900221