

Title (en)

Service carriage for servicing a spinning machine and method for operating the same

Title (de)

Bedienroboter zur Bedienung einer Spinnmaschine sowie Betriebsverfahren hierfür

Title (fr)

Dispositif de surveillance pour la surveillance d'un métier à filer et méthode d'exploitation de celui-ci

Publication

**EP 0433775 B1 19970423 (DE)**

Application

**EP 90123362 A 19901206**

Priority

DE 3942406 A 19891221

Abstract (en)

[origin: EP0433775A1] What is described is a service robot for servicing a ring-spinning machine (10), which comprises a servicing unit (48) movable vertically up and down relative to the robot frame. The servicing unit (48) is assigned means (56, 56') for the continuous contactless sensing of the instantaneous relative position of the servicing unit (48) in relation to a ring rail (36) movable in the same direction and/or the instantaneous relative position of a servicing element (52) in relation to the servicing unit (48). The particular desired position is detected when the sensing field (62, 62') is divided into two differently influenced field regions (64, 66) with a specific position of the boundary (68) between the regions. <IMAGE>

IPC 1-7

**D01H 13/00**

IPC 8 full level

**D01H 13/00** (2006.01); **D01H 15/013** (2006.01)

CPC (source: EP)

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Cited by

US6907309B2; US7113843B2; US7010383B2

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**EP 0433775 A1 19910626; EP 0433775 B1 19970423**; CS 601890 A2 19911217; DE 3942406 A1 19910627; DE 59010708 D1 19970528; JP H03193943 A 19910823

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**EP 90123362 A 19901206**; CS 601890 A 19901204; DE 3942406 A 19891221; DE 59010708 T 19901206; JP 33082890 A 19901130