

Title (en)
Service carriage control system

Title (de)
Steuersystem für einen Bedienroboter

Title (fr)
Système de contrôle pour un dispositif de surveillance

Publication
EP 1600413 B1 20090708 (EN)

Application
EP 05005494 A 20050314

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Abstract (en)
[origin: EP1600413A2] The present invention enables efficient operations in a control system that operates in response to a request for yarn splicing made by each of a plurality of processing units 3, to stop one of a plurality of service carriages running along the same running path 6, at the processing unit for yarn splicing. Work areas are assigned to yarn splicing carriages 11, 12; for example, spinning units 3 nos. 1 to 17 are assigned to the work area A1 of the first yarn splicing carriage 11 and spinning units 3 nos. 18 to 34 are assigned to the work area A2 of the second yarn splicing carriage 12. If the spinning unit 3 no. 18 makes a yarn yarn splicing request, the system performs control such that the second yarn yarn splicing carriage 12 is dispatched, which covers the work area A2 to which the spinning unit 3 no. 18 belongs. The first yarn splicing carriage 11 calculates the distance between the current position of the carriage 11 and the yarn splicing requesting unit (no. 18). If the distance has at most a predetermined value, the system performs control such that the second yarn splicing carriage is withdrawn and moved away from the yarn splicing requesting unit (Fig.1) <IMAGE>

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