

Title (en)

Lifting control method and lifting device of spinning machine

Title (de)

Hubsteuerverfahren und Hubvorrichtung für eine Spinnmaschine

Title (fr)

Méthode de contrôle de levage et dispositif de levage pour un métier à filer

Publication

EP 0798407 A3 19980603 (EN)

Application

EP 97105265 A 19970327

Priority

- JP 7718296 A 19960329
- JP 7716596 A 19960329

Abstract (en)

[origin: EP0798407A2] When power failure occurs, a lifting drive system is operated by a simple arrangement with a power consumption smaller than that in ordinary operation until the idle rotation of a spindle drive system is approximately stopped. The draft part and spindle drive system is driven by a main motor (M) through a driving shaft (1). The lifting drive system is independent of the draft part and spindle drive system and driven by a first drive motor (19) in ordinary operation and when power failure occurs, it is driven by a second drive motor (28) which can be driven with a power consumption smaller than that of the first drive motor. Electric power is supplied to the second drive motor (28) and a controller (30) from a battery (37) in the power failure and the controller (30) controls the second drive motor (28) until the idle rotation of the spindle drive system is approximately stopped. Yarn is wound around a bobbin in the state that it does not cause a hindrance when a spinning machine is restarted and the rewinding of the yarn in a winder process is not hindered. <IMAGE>

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D01H 1/36

IPC 8 full level

D01H 1/36 (2006.01)

CPC (source: EP)

D01H 1/36 (2013.01)

Citation (search report)

- [A] DE 3412060 A1 19851010 - ZINSER TEXTILMASCHINEN GMBH [DE]
- [A] DE 3706513 A1 19870903 - TOYODA AUTOMATIC LOOM WORKS [JP]
- [A] EP 0440025 A2 19910807 - SCHUBERT & SALZER MASCHINEN [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 096, no. 005 31 May 1996 (1996-05-31)

Cited by

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Designated contracting state (EPC)

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