

Title (en)

Machine or machine section with at least one electric motor, preferably as a synchronous motor and/or shaft mounted and used for direct driving a core of a winding reel or for the direct drive of another swivel component, in particular for application in the paper industry and the relevant conversion method

Title (de)

Maschine mit einem vorzugsweise als Synchronmotor ausgeführten und zum Direktantrieb eines Wickelkerns einer Wickelrolle dienenden Elektromotors, insbesondere zur Verwendung in der Papierindustrie, und sich hierauf beziehendes Umbauverfahren

Title (fr)

Machine ou section de machine dotée d'au moins un électromoteur développé de préférence en tant que moteur synchrone et/ou à emboîtement et destiné à l'engrenage direct d'un axe d'enroulement d'une bobine d'enroulement ou à l'engrenage direct d'un autre composant de rotation, en particulier destiné à l'utilisation dans l'industrie du papier, et son procédé de transformation

Publication

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Application

EP 07004789 A 20040318

Priority

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- DE 102004001467 A 20040109

Abstract (en)

Machine or machine section in form of a dryer part of machine has a rotating component in form of a drying cylinder (10), which is propelled by a electric motor (17). The electric motor has a rotor (24) coupled or which can be coupled with the rotating components regarding rotary drive and an motor support arranged relative to frame or directly or indirectly to frame of the machine or the machine section against rotation of supported stator. Machine or machine section in form of a dryer part of machine has the electric motor which is operated as synchronous motor. The electric motor is arranged coaxially to the rotating component in correlation to an axial end area. The rotor is actually free of play of entire rotation or rotary drive connection is coupled or can be coupled directly torque proof with rotating components.

IPC 8 full level

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CPC (source: EP)

B65H 16/103 (2013.01); **B65H 18/10** (2013.01); **B65H 2403/00** (2013.01)

Citation (search report)

- [XA] DE 8703410 U1 19870521
- [A] DE 10025316 A1 20011129 - VOITH PAPER PATENT GMBH [DE]
- [A] AT 409853 B 20021227 - ANDRITZ AG MASCHF [AT]
- [A] WO 0186781 A1 20011115 - ABB RESEARCH LTD [CH], et al

Citation (examination)

- US 2010264760 A1 20101021 - MATSUI HIROHITO [JP], et al
- EP 1841046 A1 20071003 - TOYOTA MOTOR CO LTD [JP]

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EP2003060A1; WO2008151816A1

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