

Title (en)

Drive arrangement for the reed of a loom

Title (de)

Antriebsanordnung für das Webblatt einer Webmaschine

Title (fr)

Ensemble d'entraînement pour le peigne d'un métier à tisser

Publication

EP 1310588 A3 20030813 (DE)

Application

EP 02022429 A 20021004

Priority

DE 10154941 A 20011108

Abstract (en)

[origin: EP1310588A2] A reed drive arrangement comprises an electric motor including a stationary first stator (1.3) and an oscillatable first rotor (1.5), a reed support, and a reed (1.1). <??>A reed drive arrangement comprises an electric motor including a stationary first stator and an oscillatable first rotor that is electromagnetically drivable to oscillate back-and-forth in an oscillating motion relative to the first stator, with a first air gap (1.4) in between the first stator and the first rotor; a reed support rigidly connected to the first rotor to oscillate back-and forth with the first rotor; a reed carried by the reed support to oscillate back-and-forth with the reed support; and a first feature where the oscillating motion is a pivoting motion about a pivot axis (1.7), the first stator comprises a hollow annular cylindrical first stator shaft arranged coaxially with respect to the pivot axis, and the first rotor comprises a hollow annular cylindrical first rotor shaft arranged coaxially with respect to the pivot axis inside the first stator shaft; a second feature where the electric motor further comprises a stationary second stator arranged with the first rotor between the first stator and the second stator and with a second air gap between the second stator and the first rotor; or a third feature where electric motor is a non-circular motor, where the first stator has a cross-sectional stator shape that is non-circular, and where the first rotor has a cross-sectional rotor shape that is non-circular.

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D03D 49/60

IPC 8 full level

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CPC (source: EP US)

D03D 49/60 (2013.01 - EP US)

Citation (search report)

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- [A] DE 727550 C 19421105 - EXCELSIOR HANDELS A G
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- [A] EP 0268762 A1 19880601 - SULZER AG [CH] & DE 10021520 A1 20011115 - DORNIER GMBH LINDAUER [DE]
- [XA] DATABASE WPI Section Ch Week 198451, Derwent World Patents Index; Class F03, AN 1984-316447, XP002244220

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