Abstract (en)
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.

Abstract (de)
Aufgabe der Erfindung ist es, einen Direktantrieb für die oszillierende Bewegung des Webblattes eine Webmaschine anzugeben. Der Direktantrieb kann als linearer Antrieb für eine Hubbewegung, als linearer Antrieb mit Ausbildung des Ständers und Läufers als Kreissegmente für eine quasi rotatorische Bewegung oder als koaxialer Antrieb ausgebildet sein. <IMAGE>