

ELECTROMAGNETIC DRIVE DEVICE

ABSTRACT

With an electromagnetic drive device which comprises a stator (2) and a coil (3) with a transversal degree of freedom, the coil (3) is arranged so that the force F exerted by the stator (2) on the coil (3) is always directed towards or away from a point P located as close as possible to the centre of gravity (5) of a working organ (1) driven by the drive device. The direction of the force F is therefore dependent on
5 the position of the coil (3) in relation to the stator (2). Preferably, the coil (3) comprises one single winding the turns (6) of which are wound along concentric arcs the centre of which coincides with the centre of gravity (5) of the working organ (1).

Such drive devices are suitable, for example, for driving the bondhead of a Wire Bonder.

10 (Fig. 2)