Title (en)

MOVEMENT SYSTEM

Publication

EP 0228427 B1 19930210 (DE)

Application

EP 86904160 A 19860709

Priority

DE 3524713 A 19850711

Abstract (en)

[origin: WO8700349A1] A movement system, in particular for adjusting the rotor of a wave-guide switch in two switching positions. The rotor comprises, for example , a single-pole permanent magnet pair (24). On the stator side, two drive coils (28, 29) are fixed to a coil support (30). By energizing one of these coils (28, 29) the rotor is brought close to one switching position. The switching positions are defined by the mechanical stops (32, 33) on the stator side and by the neck (25) on the rotor side. By means for example of an appropriate permanent magnet part (34, 35), the forces of attraction come into play at the switching positions between the rotor and these parts, which move the rotor into the switching positions. In order to damp the transition behaviour of the rotor into the selected position an eddy current damping system (26, 27) is provided, with braking coils (short-circuit windings) which are in addition fixed to the coils on the stator and come into action in the vicinity of the switching positions.

IPC 1-7

H01H 51/14; H01P 1/12

IPC 8 full level

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CPC (source: EP)

H01P 1/122 (2013.01)

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DE 3315682 A1 19831117 - RACAL MESL MICROWAVE [GB]

Cited by

EP2607118A1; DE102011089092A1

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DE FR GB IT

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