



INDEPENDENT-DRIVE WHEEL OF A WHEEL-MOUNTED VEHICLE

ABSTRACT

An independent-drive wheel for electric cars, bicycles, and wheelchairs wherein electromagnets 14, 15
5 of rotor 12 of a commutator motor are positioned along a circumference in the form of a pair of groups which are offset with respect to each other, and wherein distribution commutator 6 of stator 9 electrically connected to electric energy storage device 32 is constructed
10 in such a manner that when magnetic axes 17, 18 of electromagnets of one group and magnetic members 11 of the stator are aligned, electromagnets 14 are connected to electric energy storage device 32, and when magnetic axes 19, 18 of electromagnets 15 of the second group
15 and of respective magnetic members 11 of stator 9 are not aligned, these electromagnets 15 are connected to voltage control unit 36.

Figs. 1, 2.