

Title (en)

Magnetic carrier with permanent magnets

Title (de)

Magnetischer Träger mit Permanentmagneten

Title (fr)

Porteur magnétique à aimants permanents

Publication

EP 0631971 B1 19970716 (FR)

Application

EP 94420115 A 19940411

Priority

FR 9307940 A 19930624

Abstract (en)

[origin: JPH0710453A] PURPOSE: To provide a magnetic carrier simple and economical but strong and suitable for carrying an object of large dimensions and capable of easily preventing a longitudinal movement effect. CONSTITUTION: A magnetic carrier of this invention has a fixed part having two pole pieces 1, 2 symmetric against a vertical intermediate flat surface and connected to each other by non-magnetic elements 3, 4 and a cylindrical rotor 5 installed free to rotate around a horizontal shaft 6 between the two magnetic pole pieces 1, 2. These two poles pieces 1, 2 are separated from each other below so as to increase a distance between lower end parts 9 of each of the pole pieces 1, 2 constituting a working pole capable of attracting a strong magnetic material made object at a 'working' position. The rotor 5 has an asymmetrical structure having two heterogenous soft steel made part pieces 23, 24, and a 'rare earth' type permanent magnet 25 is inserted between the two soft steel made part pieces 23, 24.

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