

ABSTRACT**MAGNETIC LEVITATION SYSTEM FOR DOORS AND WINDOWS**

- 5 A magnetic levitation system for sliding door and window (1a, 1b, 2), comprises at least a movable module (4) for the lower part of the sliding door and window (1a, 1b, 2) which comprises one or more permanent magnets; several fixed modules (5) for the lower part of the frame of the sliding door and window (1a, 1b, 2), which comprises one or more electromagnets to produce a variable repulsive magnetic field of the
- 10 magnetic field of said magnets of the movable module.

It has the advantage of eliminating the friction, mechanical wear and noise associated to the sliding, allowing, when deactivated, a greater air and water tightness and terminal and acoustic insulation, allowing the electromagnetic closure or locking of the door and window, increasing the security, and as is a modular system its operation and

15 construction are simpler and cheaper.