

CARRIER DEVICE CAPABLE OF VARYING CONTACT DAMPING WITH PRESSURED DISPLACEMENT

ABSTRACT

5 The present invention provides one or more carrier devices capable of varying contact damping with pressured displacement. The device is configured to be installed on mechanical force-receiving structures that have rolling wheels, rolling balls or slidably displaceable terminal block structure, carrying devices and transportation devices for humans or
10 objects. When receiving pressure smaller than a set value, the device provides low contact damping and is thus easy to move. On the other hand, when receiving pressure greater than the set value, it provides high contact damping so as to prevent slip and thereby ensure safe placement. In addition, when receiving pressure smaller than the set value, the device
15 has its pre-stressed structure generate modulation to displacement corresponding to the size of the pressure it receives for the purpose of shock absorbency.

Figure 1