

System for suctioning braking particles with optimized control**ABSTRACT**

5 The invention relates to a system for suctioning braking particles from a friction braking
system of a vehicle, the suction system comprising a negative-pressure source (1), a
suction mouth (83), a filter (2), a pneumatic circuit (3) connecting the suction mouth to
the negative-pressure source, and a control unit (6) configured to control the negative-
pressure source, the suction system also comprising a pressure sensor (22) for measuring
10 the pressure prevailing in the pneumatic circuit, the control unit controlling the negative-
pressure source so that the pressure in the pneumatic circuit reaches or tends to meet a
predetermined negative-pressure setpoint (DPR), and an associated method.

Fig. 2