

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

System for suctioning braking particles from a friction braking system of a vehicle, the
5 suction system comprising a negative-pressure source (1), a suction mouth (83), a filter
(2), a conduit (3) connecting the suction mouth to the negative-pressure source, a control
unit (6) configured to control the negative-pressure source, the suction system further
comprising a stream of information originating from a computer (61) that controls a
10 motor-generator of a driving/braking system of the vehicle, the control unit being
configured to control the negative-pressure source preemptively before the actual
activation of the friction braking, the control unit controlling the negative-pressure source
as a function of the activation of electromagnetic braking or other parameters, and
associated method.

15 **Fig. 2**