

Title: Limitation of a machine by a system for capturing braking particles

Abstract

5 The invention relates to a system (1) for capturing braking particles from a friction
brake system (10) of a machine (90), which comprises a vacuum source (20), a
pneumatic circuit (30) which connects the friction brake system (10) to said vacuum
source (20), and a filter (40) located on said pneumatic circuit (30) and mounted on
a support (41). The capturing system (1) comprises a control unit (60), a control
10 device (70) for said machine (90), and a clogging detection device (50) for the filter
(40) which is capable of sending at least one signal to the control unit (60) when the
filter (40) is clogged, the control unit (60) being capable of determining the clogging
of the filter (40), on the basis of this signal, and being capable of determining
whether the detection device (50) is inoperative, the control unit (60) being capable
15 of activating the control device (70) to limit the operation of the machine (90) when
the filter (40) is clogged or when the detection device (50) is inoperative.

[Figure 1]