

DETECTION GATE**ABSTRACT**

The invention concerns a detection gate (100) intended to detect substances carried by an individual (108) or an object, the detection gate (100) comprising:

- two lateral uprights (204, 104) facing each other and defining between them a passage (106) for the said individual (108) or the said object,
 - blowing means (110) installed in a blowing chamber (122) that one of the
5 uprights (102) has, and which are adapted to blow the air contained in the said
blowing chamber (122) towards the other upright (104),
 - exhaust means (118) installed in an exhaust chamber (124) that the other
upright (104) has, and which are able to suck in the air thus blown,
 - a detection device (120) disposed downstream from the passage (106) and able
10 to detect the presence of the said substances in the air thus blown, and
 - a transfer pipe (126) emerging through one of its ends in the blowing chamber
(122) and through its other end in the exhaust chamber (124),
- the blowing means (110) and the exhaust means (118) being such that the same
volume of air has the time to travel across the passage (106) at least twice while the
15 said individual (108) or the said object are present in the said passage (106).

Fig. 1