

Title (en)
Fire detecting device

Title (de)
Branderkennungsvorrichtung

Title (fr)
Dispositif de détection d'incendie

Publication
EP 0559065 B1 19970521 (DE)

Application
EP 93102856 A 19930224

Priority
DE 4206656 A 19920303

Abstract (en)
[origin: EP0559065A1] A device for detecting fires in forcibly ventilated devices or machines (14) is disclosed, which device has an outlet air funnel (1) which removes a representative partial amount from the main stream of cooling air at the air outlet (15) of the device (14) to be monitored and feeds the said amount via an air line (6) to a measuring chamber (5), and which device has at least one detector for detecting a fire characteristic variable, which detector is arranged in the measuring chamber (5) in the air stream and is connected for example by means of an electronic circuit to a warning, extinguishing and/or switch-off device. In order to shorten the detection time in forcibly ventilated devices or machines, for example EDP devices or similar electronic devices as well as to increase the reliability of fire detection, there is provision according to the invention for the wall (2) of the outlet air funnel (1) to have openings (3) distributed over its circumference. By means of the outlet air funnel (1) which is designed in this way, eddies and back-pressure of the air within the outlet air funnel (1) are avoided and it is ensured that the partial amount of air which is tapped off from the main stream of cooling air is fed to the hose (6) as an air stream which is as far as possible laminar. <IMAGE>

IPC 1-7
G08B 17/00

IPC 8 full level
G08B 17/00 (2006.01); **G08B 17/117** (2006.01)

CPC (source: EP)
G08B 17/117 (2013.01)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
EP 0559065 A1 19930908; EP 0559065 B1 19970521; AT E153464 T1 19970615; DE 4206656 C1 19930519; DE 59306483 D1 19970626; DK 0559065 T3 19970630; ES 2103389 T3 19970916; FI 111882 B 20030930; FI 930951 A0 19930303; FI 930951 A 19930904; GR 3024356 T3 19971128; NO 305418 B1 19990525; NO 930765 D0 19930302; NO 930765 L 19930906

DOCDB simple family (application)
EP 93102856 A 19930224; AT 93102856 T 19930224; DE 4206656 A 19920303; DE 59306483 T 19930224; DK 93102856 T 19930224; ES 93102856 T 19930224; FI 930951 A 19930303; GR 970402002 T 19970801; NO 930765 A 19930302