Title (en)
Device for early detection of fires

Title (de)
Anordnung zur Früherkennung von Bränden

Title (fr)
Dispositif pour la détection précoce des incendies

Publication
EP 0654770 B1 20000202 (DE)

Application
EP 94113869 A 19940905

Priority
CH 347993 A 19931122

Abstract (en)
[origin: EP0654770A1] The arrangement contains a plurality of detectors which are connected to a central station and of which some are fitted with at least two sensors (1, 2) for monitoring different fire characteristics. One sensor (1) is preferably a thermal sensor and the other sensor (2) is an optical sensor. In addition, the arrangement contains means for processing the signals of the sensors. These means are arranged in a decentralised manner in the detectors and they contain a microcontroller (MCU) for conditioning the sensor signals and for signal processing for the purpose of obtaining danger signals. The danger signals are obtained in a neuronal network (NN). <IMAGE>

IPC 1-7
G08B 17/00; G08B 29/16

IPC 8 full level
G08B 31/00 (2006.01); **G08B 17/00** (2006.01); **G08B 29/16** (2006.01)

CPC (source: EP US)
G08B 17/00 (2013.01 - EP US); **G08B 29/16** (2013.01 - EP US)

Cited by
EP3531386A4; CN104933841A; EP0729123A1; US5659292A; DE19902319B4; US7286704B2; EP1768074A1; EP0759602A1; WO0014693A1; EP2091029B2

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

DOCDB simple family (publication)
EP 0654770 A1 19950524; **EP 0654770 B1 20000202**; AT E189549 T1 20000215; CH 686913 A5 19960731; CN 1052087 C 20000503; CN 1122486 A 19960515; DE 59409119 D1 20000309; DK 0654770 T3 20000717; ES 2144474 T3 20000616; JP H07192189 A 19950728; PT 654770 E 20000731; US 5751209 A 19980512

DOCDB simple family (application)
EP 94113869 A 19940905; AT 94113869 T 19940905; CH 347993 A 19931122; CN 94118504 A 19941122; DE 59409119 T 19940905; DK 94113869 T 19940905; ES 94113869 T 19940905; JP 22500694 A 19940920; PT 94113869 T 19940905; US 34573594 A 19941120