

Title (en)
METHOD OF EXTINGUISHING A FIRE AND A FIRE-EXTINGUISHING SYSTEM

Title (de)
FEUERLÖSCHVERFAHREN UND FEUERLÖSCHSYSTEM

Title (fr)
PROCEDE D'EXTINCTION D'INCENDIES, COMPOSITION D'EXTINCTION DU FEU ET SYSTEME ANTI-INCENDIE

Publication
EP 0925808 B1 20030827 (EN)

Application
EP 97915780 A 19970314

Priority
• RU 9700065 W 19970314
• RU 96105101 A 19960315

Abstract (en)
[origin: EP0925808A2] The disclosure relates to a method of extinguishing fires, a fire-extinguishing compound and a fire-extinguishing system. The proposed method involves the preparation of a fire-extinguishing composition containing an oxidant and a fuel-binder, placing the composition in the area of the seat of the fire, initiating a sustainable fuel oxidising reaction producing combustion products in finely dispersed aerosol form, and then allowing the aerosol medium to act on the seat of the fire. According to the invention, the compositions in the aerosol products of combustion act in the immediate area of the fuel oxidation reaction to reduce the level of toxins and lower the equilibrium temperature of complete oxidation of the fuel-binder combustion products. To achieve this, a reagent is introduced into the aerosol combustion products of the composition which promotes a reduction in the equilibrium temperature of the full oxidation reaction of the fuel-binder combustion products. The reagent used consists of thermal disintegration products of a low-energy supplementary fuel. Also proposed is a compound suitable for the proposed method. The system is provided with a reactor containing means for reducing the level of toxins in the area of combustion of the composition.

IPC 1-7
A62C 3/00; **A62D 1/06**; **A62C 35/00**; **A62C 5/00**

IPC 8 full level
A62D 1/00 (2006.01); **A62D 1/06** (2006.01)

CPC (source: EP)
A62D 1/06 (2013.01)

Citation (examination)
• EP 0637458 A1 19950208 - VNII [RU], et al
• WO 9315793 A1 19930819 - UNIPAS INC [US]

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EP2481449A4; NL1028869C2; EP2742978A4; US9227098B2; WO2012112034A2; WO0247767A3; NL1027904C2; CN104511127A; JP2019097691A

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

DOCDB simple family (publication)
EP 0925808 A2 19990630; **EP 0925808 A4 19990630**; **EP 0925808 B1 20030827**; AT E248005 T1 20030915; AU 2311997 A 19971001; AU 736509 B2 20010726; DE 69724441 D1 20031002; DE 69724441 T2 20040617; DK 0925808 T3 20031222; EA 001261 B1 20001225; EA 199800774 A1 19990624; ES 2206698 T3 20040516; PT 925808 E 20040130; RU 2095104 C1 19971110; WO 9733653 A1 19970918

DOCDB simple family (application)
EP 97915780 A 19970314; AT 97915780 T 19970314; AU 2311997 A 19970314; DE 69724441 T 19970314; DK 97915780 T 19970314; EA 199800774 A 19970314; ES 97915780 T 19970314; PT 97915780 T 19970314; RU 96105101 A 19960315; RU 9700065 W 19970314