

Title (en)

Isopropanol containing cleaning solutions having elevated flash point

Title (de)

Isopropanolhaltige Reinigungslösungen mit erhöhtem Flammpunkt

Title (fr)

Solutions de nettoyage contenant de l'isopropanol à point d'inflammation élevé

Publication

**EP 0575794 B1 19981014 (DE)**

Application

**EP 93108989 A 19930604**

Priority

DE 4218966 A 19920610

Abstract (en)

[origin: EP0575794A1] Partially fluorinated hydrocarbons or ethers of the general formula  $C_wH_xF_yO_z$  in which  $x < y$ , the sum of  $x + y = 2w + 2$  and  $z$  is 0 or 1, which have a boiling point in the range from 40 to 100 DEG C, bring about a large elevation of the flashpoint in mixtures composed predominantly of isopropanol and minor amounts of water. Mixtures of this type are suitable as cleaning solutions.

IPC 1-7

**C11D 7/50**; **C11D 7/30**

IPC 8 full level

**C11D 7/30** (2006.01); **C11D 7/50** (2006.01); **C11D 7/60** (2006.01); **C23G 5/032** (2006.01)

CPC (source: EP)

**C11D 7/5018** (2013.01); **C23G 5/032** (2013.01)

Cited by

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Designated contracting state (EPC)

AT BE CH DE ES FR GB IE IT LI LU NL PT SE

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**EP 0575794 A1 19931229**; **EP 0575794 B1 19981014**; AT E172239 T1 19981015; CA 2098057 A1 19931211; DE 4218966 A1 19931216; DE 59309054 D1 19981119; JP H0657296 A 19940301

DOCDB simple family (application)

**EP 93108989 A 19930604**; AT 93108989 T 19930604; CA 2098057 A 19930609; DE 4218966 A 19920610; DE 59309054 T 19930604; JP 13794393 A 19930608