

Title (en)

Compositions comprising pentafluorobutane and use thereof.

Title (de)

Pentafluorbutan enthaltende Zusammensetzungen und deren Anwendung.

Title (fr)

Compositions comprenant du pentafluorobutane et utilisation de ces compositions.

Publication

**EP 0618288 A1 19941005 (FR)**

Application

**EP 94200718 A 19940321**

Priority

BE 9300313 A 19930331

Abstract (en)

The invention relates to compositions comprising 1,1,1,3,3-pentafluorobutane and ethanol. These compositions can be used in particular as solvents for cleaning electronic components and for degreasing metals.

Abstract (fr)

L'invention concerne des compositions comprenant du 1,1,1,3,3-pentafluorobutane et de l'éthanol. Ces compositions sont utilisables notamment comme solvant pour le nettoyage de composants électroniques et pour le dégraissage des métaux.

IPC 1-7

**C11D 7/50; C23G 5/028**

IPC 8 full level

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Citation (search report)

- [DA] EP 0512885 A1 19921111 - ATOCHEM ELF SA [FR]
- [PX] DATABASE WPI Derwent World Patents Index; AN 93-253059

Cited by

US5478492A; FR2873689A1; US5683974A; US8318038B2; US8877087B2; WO2006024729A1; WO9748788A3

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