Title (en)

Use of (perfluoroalkyl)-ethylenes as cleaning or drying agents.

Title (de)

Anwendung von Perfluoralkyl-Ethylenen als Reinigungs- oder Trocknungsmittel.

Title (fr)

Application des (perfluoroalkyl)-éthylènes comme agents de nettoyage ou de séchage.

Publication

EP 0443911 A1 19910828 (FR)

Application

EP 91400353 A 19910212

Priority

FR 9002011 A 19900220

Abstract (en)

[origin: JPH04227803A] PURPOSE: To provide a cleaning or drying agent having a property of physical chemistry such as incombustibility or the like and hardly decomposing the stratospheric ozone by using (perfluoroalkyl)ethylene having a specific molecular construction. CONSTITUTION: (Perfluoroalkyl) ethylene represented by the formula RFCH=CH2 (RF is linear or branched perfluoroalkyl radical containing from 3 to 6 carbon atoms) is used for cleaning and degreasing of solid surfaces of metals, glass or the like and defluxing and low-temperature cleaning or the like in electronics. This material preferably has the formula C4 F9 CH=CH2 has properties of physical chemistry, such as incombustibility, high wettability, low solubility, low boiling point, same as F113, being less apt to decompose stratospheric ozone in contrast to F113.

Abstract (fr)

Pour remplacer le 1,1,2-trichloro-1,2,2-trifluoroéthane (F113) dans ses applications au nettoyage et au séchage de surfaces solides, l'invention propose d'utiliser un (perfluoroalkyl)-éthylène de formule : RFCH=CH2 dans laquelle RF représente un radical perfluoroalkyle, linéaire ou ramifié, contenant de 3 à 6 atomes de carbone. Contrairement au F113, les (perfluoroalkyl)-éthylènes ne sont pas susceptibles de dégrader l'ozone stratosphérique.

IPC 1-7

C11D 7/50; C23G 5/028

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

Eléments de la technique relevés: néant.

Cited by

EP0525266A1; US5458800A; EP2287282A3; FR2766837A1; FR2694942A1; EP0731162A1; FR2731436A1; EP0607969A1; US5431837A; US5490894A; EP4098729A1; WO2022253857A1; EP2287282B1

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