

Title (en)
1,1,1,2,3,4,4,5,5,5-decafluoropentane-based cleaning and drying compositions

Title (de)
Reinigungs- und Trocknungsmittel auf Basis von 1,1,1,2,3,4,4,5,5,5-Decafluorpentan

Title (fr)
Compositions de nettoyage ou de séchage à base de 1,1,1,2,3,4,4,5,5,5-décafluoropentane

Publication
EP 0974642 A1 20000126 (FR)

Application
EP 99401419 A 19990611

Priority
FR 9809464 A 19980724

Abstract (en)
The compound is a satisfactory replacement for 1.1.2-trichloro-1,2,2-trifluoroethane (F 113) which has been widely used for cleaning and degreasing, but is now banned due to its suspected degradative action on the ozone layer. The azeotropic or quasi azeotropic compositions comprise 1 - 25% of 1,1,1,2,3,4,4,5,5,5-decafluoropentane (43-10 mee) and 75 - 99% of 1,1,1,3,3-penta-fluorobutane (F 365 mfc), preferably 80 - 95%. This gives a boiling point of 36.5 degrees C. at atmospheric pressure. An Independent claim is also included for the use of these compositions.

Abstract (fr)
Pour remplacer les compositions à base de CFC ou de HCFC dans les applications de nettoyage ou de séchage de surfaces solides (notamment défluxage), l'invention propose des compositions azéotropiques ou quasi azéotropiques à base de 1,1,1,2,3,4,4,5,5,5-décafluoropentane, de 1,1,1,3,3-pentafluorobutane, et éventuellement de méthanol.

IPC 1-7
C11D 7/50; C23G 5/028

IPC 8 full level
C11D 7/50 (2006.01); **C23G 5/028** (2006.01)

CPC (source: EP US)
C11D 7/505 (2013.01 - EP US); **C23G 5/02803** (2013.01 - EP US)

Citation (search report)

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- [DA] EP 0512885 A1 19921111 - ATOCHEM ELF SA [FR]
- [A] WO 9739080 A1 19971023 - DU PONT [US]
- [A] DATABASE WPI Section Ch Week 9328, Derwent World Patents Index; Class E19, AN 93-224471, XP002012038
- [A] DATABASE WPI Section Ch Week 9412, Derwent World Patents Index; Class E16, AN 94-094976, XP002049890

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Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0974642 A1 20000126; EP 0974642 B1 20030903; DE 69910916 D1 20031009; DE 69910916 T2 20040715; ES 2207140 T3 20040516; FR 2781499 A1 20000128; FR 2781499 B1 20000908; US 6174850 B1 20010116; US RE39819 E 20070904

DOCDB simple family (application)
EP 99401419 A 19990611; DE 69910916 T 19990611; ES 99401419 T 19990611; FR 9809464 A 19980724; US 34225603 A 20030115; US 35825799 A 19990720