

Title (en)

Cleaning or drying compositions based on pentafluorobutane, methylene chloride, methanol and decafluoropentane

Title (de)

Reinigungs- oder Trocknungszusammensetzungen auf Basis von Pentafluorbutan, Methylenchlorid, Methanol und Decafluorpentan

Title (fr)

Compositions de nettoyage ou de séchage à base de pentafluorobutane, chlorure de méthylène, méthanol et décafluoropentane

Publication

EP 1046703 A1 20001025 (FR)

Application

EP 00400777 A 20000321

Priority

FR 9905130 A 19990422

Abstract (en)

(Quasi) azeotropic compositions to replace CFC and HCFC based compositions for cleaning and degreasing solid surfaces, containing defined proportions of 1,1,1,3,3-pentafluorobutane, dichloromethane, methanol and 1,1,1,2,3,4,4,5,5,5-decafluoropentane. Azeotropic or quasi azeotropic compositions comprising: (a) 45-65 (50-60) % 1,1,1,3,3-pentafluorobutane; (b) 30-50 (35-45) % dichloromethane; and (c) 1-10 (2-5) % methanol; (d) 0.1-2 (0.2-1) % 1,1,1,2,3,4,4,5,5,5-decafluoropentane.

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 1,1,1,3,3-pentafluorobutane, de dichlorométhane, de méthanol, et de 1,1,1,2,3,4,4,5,5,5-décafluoropentane.

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C11D 7/50

IPC 8 full level

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CPC (source: EP US)

C11D 7/5081 (2013.01 - EP US)

Citation (search report)

- [A] WO 9630487 A1 19961003 - SOLVAY [BE], et al
- [A] US 5350534 A 19940927 - MICHAUD PASCAL [FR]

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EP2336288A1; US7540973B2; WO2008073408A1

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EP 1046703 A1 20001025; EP 1046703 B1 20031015; AU 2894400 A 20001026; AU 764299 B2 20030814; CA 2305019 A1 20001022; DE 60005881 D1 20031120; DE 60005881 T2 20040819; ES 2208232 T3 20040616; FR 2792647 A1 20001027; FR 2792647 B1 20010608; JP 2000328095 A 20001128; US 6291416 B1 20010918

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