

Title (en)
GLASS-CLEANING AGENT

Publication
EP 0238956 A3 19891011 (DE)

Application
EP 87103730 A 19870314

Priority
DE 3609734 A 19860322

Abstract (en)
[origin: US4808329A] A paste-form glass cleaning preparation having the composition: (a) from 2 to 30% by weight of gasoline having a boiling point in the range of from 120 DEG to 250 DEG C. (b) from 0 to 10% by weight of organic solvent selected from the group consisting of alcohols, ketones and glycol ethers having a boiling point in the range of from 55 DEG to 250 DEG C., the organic solvent content making up less than half the gasoline content, (c) from 5 to 40% by weight of microcrystalline calcium carbonate wherein more than 98% by weight of the particles are smaller than 300 μ m, (d) from 0.2 to 2.5% by weight of silicone oil having a viscosity of from 20 to 1000 mPas, (e) from 0.05 to 2% by weight of nonionic and/or anionic emulsifier for oil-in-water emulsions, (f) from 0.1 to 3% by weight of polyacrylic acid having an average molecular weight of from 0.8×10^6 to 5×10^6 , (g) from 0 to 2% by weight of alkali metal selected from the group consisting of alkaline reacting alkali metal salts, ammonia and alkanolamines, (h) from 0 to 3% by weight of other standard auxiliaries, and (i) ad 100% by weight of water. The preparation is distinguished by extremely high cleaning power and minimal residue formation and may be conveniently and cleanly handled.

IPC 1-7
C11D 3/14; **C11D 17/00**; **C11D 3/43**; **C11D 3/37**

IPC 8 full level
C11D 3/12 (2006.01); **C11D 3/37** (2006.01); **C11D 3/43** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP US)
C11D 3/1233 (2013.01 - EP US); **C11D 3/3765** (2013.01 - EP US); **C11D 3/43** (2013.01 - EP US); **C11D 17/003** (2013.01 - EP US)

Citation (search report)

- [A] DE 2815905 A1 19791011 - GROTH DIETER
- [A] FR 2564104 A1 19851115 - SAINT MARC LESSIVES [FR]
- [A] DE 2851988 A1 19800604 - HABERER HELMUT
- [A] US 44944 A 18641108
- [A] GB 1526866 A 19781004 - LANKRO CHEM LTD

Cited by
EP1964912A1; US7309684B2; WO2006124445A3

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0238956 A2 19870930; **EP 0238956 A3 19891011**; DE 3609734 A1 19870924; US 4808329 A 19890228

DOCDB simple family (application)
EP 87103730 A 19870314; DE 3609734 A 19860322; US 2610087 A 19870316