

Title (en)
Complementary charges for pulverised water fire extinguishers

Title (de)
Füllstoffe für wasserversprühende Feuerlöscher

Title (fr)
Charges complémentaires pour extincteurs a eau pulverisee

Publication
EP 0909570 A1 19990421 (FR)

Application
EP 98402447 A 19981006

Priority
FR 9713062 A 19971017

Abstract (en)
The new composition incorporates monopropylene glycol which imparts antifreeze properties down to - 45 degrees C. The new composition claimed is made up of (wt.%): diammonium phosphate, 7-11%; urea, 10 - 15%; ammonium sulfate, 10 - 15%; citric acid, 1 - 5%; monopropylene glycol, 20 - 25% and water to 100%. The composition is prepared by adding all the diammonium phosphate to the water, stirring at 50 degrees C, then half of the urea followed by all the ammonium sulfate. The citric acid is next added then the remainder of the urea and finally the monopropylene glycol, a corrosion inhibitor and, optionally, a dye.

Abstract (fr)
On décrit des compositions concentrées destinées à constituer la charge complémentaire d'extincteurs à eau répondant à la norme européenne EN 3, qui soient et restent homogènes, et qui confèrent à la charge extinctrices, outre des performances améliorées sur feux A ou B, une bonne résistance au gel.

IPC 1-7
A62D 1/00

IPC 8 full level
A62D 1/00 (2006.01)

CPC (source: EP)
A62D 1/0035 (2013.01)

Citation (search report)

- [A] GB 2301122 A 19961127 - GLASS CYRIL [GB]
- [A] FR 2102933 A5 19720407 - PIERREFITTE AUBY SA
- [DA] US 5091097 A 19920225 - PENNARTZ EDMUND R [US]
- [A] CHEMICAL ABSTRACTS, vol. 125, no. 14, 30 September 1996, Columbus, Ohio, US; abstract no. 170187, BRYLA, DANUTA ET AL: "Laminated textile product for backfilling applications in mines" XP002071863 & PL 168726 A

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CN106975193A; WO2010059021A1

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

DOCDB simple family (publication)
EP 0909570 A1 19990421; FR 2769842 A1 19990423; FR 2769842 B1 19991203; NO 311125 B1 20011015; NO 984848 D0 19981016; NO 984848 L 19990419

DOCDB simple family (application)
EP 98402447 A 19981006; FR 9713062 A 19971017; NO 984848 A 19981016