

9703272-6

RTMP copy

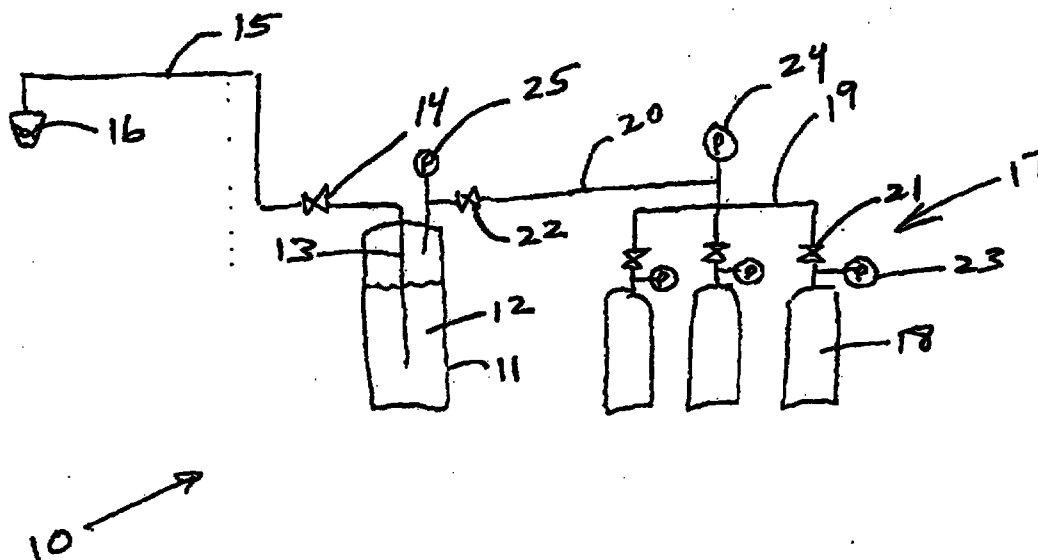
PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A62C 35/64		A1	(11) International Publication Number: WO 96/23550
			(43) International Publication Date: 8 August 1996 (08.08.96)
(21) International Application Number: PCT/US96/01372		(81) Designated States: AL, AM, AU, BB, BG, BR, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, LK, LR, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SK, TR, TT, UA, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AZ, BY, KG, KZ, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 1 February 1996 (01.02.96)		Published With international search report.	
(30) Priority Data: 08/383,059 ✓ 3 February 1995 (03.02.95) ✓ US			
(71) Applicant: GREAT LAKES CHEMICAL CORPORATION [US/US]; Highway 52 Northwest, P.O. Box 2200, West Lafayette, IN 47906 (US). ✓			
(72) Inventors: ROBIN, Mark, L.; 5411 Hillside Lane, West Lafayette, IN 47906 (US). REGISTER, W., Douglas; 70 Mill Drive, Lafayette, IN 47905 (US). IIKUBO, Yuichi; 2825 Barlow Street, West Lafayette, IN 47906 (US). SWEVAL, Mark, A.; 1226 Old Mill Lane, Lafayette, IN 47905 (US).			
(74) Agents: HENRY, Thomas, Q. et al.; Woodard, Emhardt, Naughton, Moriarty & McNett, Suite 3700, Bank One Center/Tower, 111 Monument Circle, Indianapolis, IN 46204 (US).			

(54) Title: METHOD FOR GAS-PRESSURE DELIVERY OF FIRE SUPPRESSANT



(57) Abstract

A fire suppressant (12) for suppressing a fire is stored in a storage container (11) under its own vapor pressure, and a source (18) of pressurized gas for superpressurizing the fire suppressant (12) is separately stored in cylinders (18). Upon detection of the fire, the storage container (11) is coupled to the source (18) of the pressurized gas to superpressurize the fire suppressant (12) within the storage container (11). Within about 60 seconds, the superpressurized fire suppressant (12) is then emitted from the storage container (11) by opening an outlet valve (14) and delivered through piping (15) and nozzle (16) into the vicinity of the fire. The method and associated system are useful with a variety of fire suppressants (12), including Halons, with reduced equilibration times without expensive retrofitting of existing equipment for new agents.