



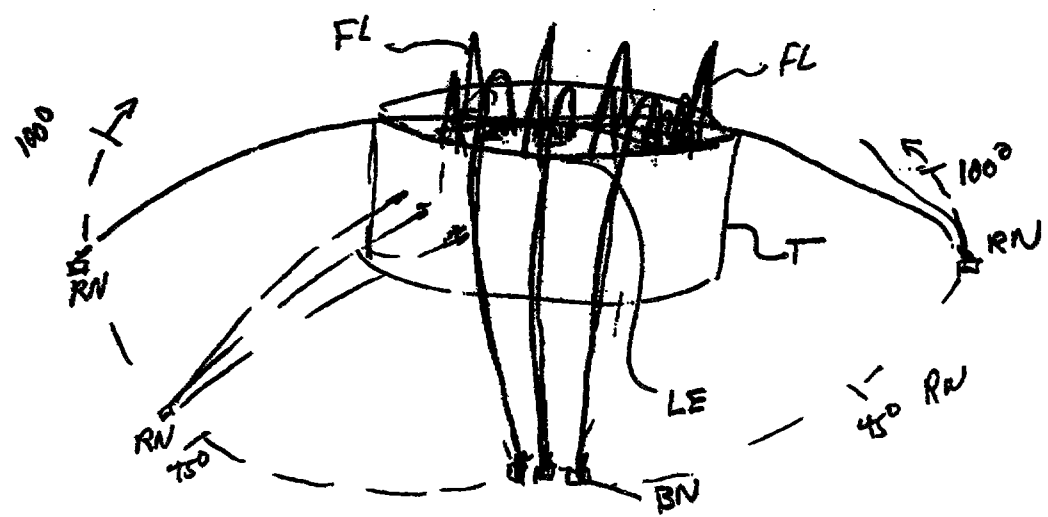
PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A62C 3/06		A1	(11) International Publication Number: WO 98/03226
			(43) International Publication Date: 29 January 1998 (29.01.98)
(21) International Application Number: PCT/US96/19691		(81) Designated States: AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IL, IS, JP, KG, KP, KR, KZ, LK, LR, LS, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SG, SI, SK, TJ, TM, TR, TT, UA, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, 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: 15 December 1996 (15.12.96)			
(30) Priority Data: 08/685,701 23 July 1996 (23.07.96) US 08/735,213 21 October 1996 (21.10.96) US			
(71) Applicant: WILLIAMS FIRE AND HAZARD CONTROL, INC. [US/US]; P.O. Box 1359, Mauriceville, TX 77626 (US).		Published With international search report.	
(71)(72) Applicants and Inventors: WILLIAMS, Dwight, P. [US/US]; 1530 Texla Road, Vidor, TX 77662 (US), LAVERGNE, Eric [-/US]; 4320 Dogwood, Groves, TX 77619 (US).			
(74) Agents: SHAPER, Sue, Z. et al.; Butler & Binion, L.L.P., Suite 1600, 1000 Louisiana, Houston, TX 77002 (US).			

(54) Title: METHODS FOR EXTINGUISHING TANK FIRES



(57) Abstract

Methods for extinguishing tank fires including establishing a foam blanket and subsequently cooling inner and/or outer tank wall portions (T), as well as applying dry power to residual flames. Methods also include improving the foam blanket established from staged nozzles through creating side footprints at the site for correcting footprint range, length, and width, and through correcting predicted footprint and foam run for variations in factors such as fluid height, wind conditions, nozzle stream width, head pressure, percent of foam concentrate, characteristics of the burning fluid, the type of foam and the temperature of the burning fluid.