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(21) International Application Number: PCT/US96/15665 (22) International Filing Date: 13 September 1996 (13.09.96) (30) Priority Data: 08/527,700 14 September 1995 (14.09.95) US (71) Applicant: SIMULA INC. [US/US]; 10016 S. 51st Street, Phoenix, AZ 85044 (US). (72) Inventors: BRADLEY, Gary, F.; 111 Glenwood Lane, Hendersonville, NC 28792 (US). SHOPE, William, Barry; 801 C Kensington Place, Asheville, NC 28803 (US). (74) Agents: GOTTS, Lawrence, J. et al.; Crowell & Moring, 1001 Pennsylvania Avenue, N.W., Washington, DC 20004 (US).		(81) Designated States: AU, CA, IL, JP, NO, NZ, SG, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>

(54) Title: **LOW PROFILE FLotation COLLAR**

(57) Abstract

A safety and life-preserving flotation collar intended for use by aircraft and shipboard personnel in an emergency that leaves the personnel in the water. The flotation collar has a fabric shell (13) housing two automatically inflatable, independent, symmetric flotation cells (11, 12); two oral inflators (14) and mechanical inflators (17) mounted on the fabric shell (13); and a face shield (31) stowed in the fabric shell (13). The flotation collar may be worn with an auxiliary belt (26) or with a survival vest.

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