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(21) International Application Number: PCT/US97/08824 (22) International Filing Date: 27 May 1997 (27.05.97) (30) Priority Data: 08/652,664 28 May 1996 (28.05.96) US (71) Applicant: LIFEPRO, INC. [US/US]; Suite 1200, 1645 Palm Beach Lakes Boulevard, West Palm Beach, FL 33401 (US). (72) Inventors: SMITH, Dennis; 50 Hidden Cove Court, Southampton, NY 11968 (US). MORTON, Frances, G.; Apartment L-8, 100 Lakeshore Drive, North Palm Beach, FL 33408 (US). NELSON, Karen; 804 Silverleaf Oak Court, Palm Beach Gardens, FL 33410 (US). (74) Agents: BAIN, Joseph, W. et al.; Quarles & Brady, Esperante Building, 4th floor, 222 Lakeview Avenue, West Palm Beach, FL 33401 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU. ARIPO patent (GH, 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). Published <i>With international search report.</i>
(54) Title: FACE MASK WITH BACK-UP SMOKE INHALATION PROTECTION AND METHOD OF OPERATION		
(57) Abstract A self-contained breathing apparatus (200) for emergency response personnel has face mask (208) with a first port (214) connected by a hose (206) to a tank of compressed air. Back-up smoke inhalation protection is provided for imminent life-threatening situations by configuring a face mask with a canister (224) containing a filter medium (234), an inlet opening (226) through which air enters, and an outlet coupling (230) for attachment to a second port (218) of the face mask. In normal situations the mask is supplied with air from the tank, but should the tank supply become depleted, the canister can be activated. A use evidencing mechanism is operatively connected to the canister to indicate use of the air filtering system. This mechanism may be a non-reusable cover (236) applied over the inlet opening, and/or a valve in the second port of the face mask with a portion that breaks away upon opening of the valve.		