



(51) International Patent Classification:
F24F 11/00 (2006.01)

(21) International Application Number:
PCT/US2009/002792

(22) International Filing Date:
6 May 2009 (06.05.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
12/149,623 6 May 2008 (06.05.2008) US

(71) Applicant and

(72) Inventor: WERJEFELT, Bertil, R.I. [US/US]; 44226
Mala'e Place, Kaneohe, HI 96744 (US).

(74) Agent: DE LEON, Josefino, P.; Shlesinger, Arkwright &
Garvey LLP, 1420 King Street, Suite 600, Alexandria,
VA 22314 (US).

AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ,
EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO,
NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG,
SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR),
OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
MR, NE, SN, TD, TG).

Published:

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM, — with international search report (Art. 21(3))

(54) Title: EMERGENCY VISION APPARATUS

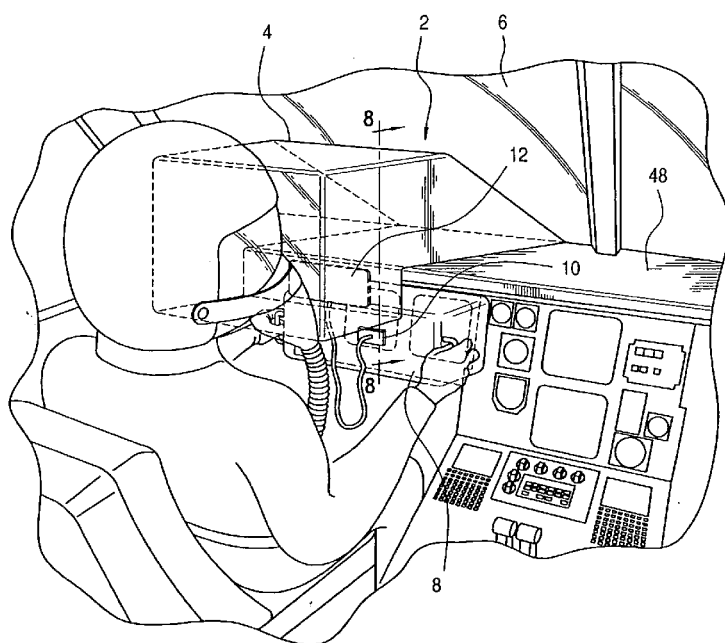


FIG. 1

(57) Abstract: An emergency vision apparatus provides a pilot with visual access to information during a vision-obscuring emergency. The apparatus comprises an expandable first enclosure, having front and rear transparent panels, filled with clear air, so the pilot can see through the first enclosure to a first source of information in front of the front panel, an expandable second enclosure filled with clear air, and having a rear panel and a transparent front panel for being disposed in proximity to a second source of information, a camera disposed at the rear panel of the second enclosure, the camera being directed toward the front panel to image the second source of information through the second enclosure front panel. The camera sends the image to a display on the first enclosure rear panel.