

Title (en)

DEVICE TO AFFORD RESPIRATION AND PROTECTION AGAINST ACCELERATION IN COMBAT AIRCRAFT

Publication

EP 0000312 B1 19820714 (FR)

Application

EP 78400042 A 19780629

Priority

FR 7720345 A 19770701

Abstract (en)

[origin: US4230097A] A breathing and acceleration protection apparatus for the pilot of a fighter aircraft includes a source of pressurized respiratory gas (typically a liquid oxygen converter) and an anti-g regulator valve means fed by the source and connected to inflatable trouser pockets of a g-suit carried by the pilot. A demand regulator delivers respiratory gas to the pilot. The anti-g regulator valve includes an inertia body movable responsive to acceleration along a predetermined direction for increasing the pressure in the pockets and when an amount of acceleration in excess of 2 g is sensed. Additional means responsive to the aircraft altitude establish a static pressure in the pockets at a value which increases with altitude in the absence of acceleration.

IPC 1-7

G05D 16/00; **A62B 17/00**; **A62B 7/14**

IPC 8 full level

B64D 10/00 (2006.01); **G05D 16/00** (2006.01)

CPC (source: EP US)

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Cited by

DE3016417A1; EP0448258A1

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EP 0000312 A1 19790110; **EP 0000312 B1 19820714**; DE 2861948 D1 19820902; FR 2395890 A1 19790126; FR 2395890 B1 19830729; US 4230097 A 19801028

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