

Title (en)
SHELTER SYSTEM AND ASSOCIATED DEVICES

Title (de)
BUNKERSYSTEM UND ZUGEORDNETE VORRICHTUNGEN

Title (fr)
SYSTEME D'ABRI ET DISPOSITIFS ASSOCIES

Publication
EP 1711669 A4 20090701 (EN)

Application
EP 04821553 A 20040730

Priority

- US 2004024951 W 20040730
- US 49145503 P 20030731
- US 53221803 P 20031223

Abstract (en)
[origin: WO2005086613A2] A shelter system for use within an environment having air includes an enclosure disposeable within the environment formed of an air impermeable material. The enclosure is expansible from a collapsed configuration to a usage configuration and is configured to define an interior chamber, to contain a quantity of air within the chamber, and to substantially prevent entry of the environment air into the chamber. An oxygen generator disposeable within the enclosure includes a housing and a quantity of oxygen-producing material disposeable within the housing for generating oxygen by spontaneous chemical reaction, the oxygen being discharged to the enclosure chamber. A carbon dioxide removal device disposeable within the enclosure includes a chamber, a reactive material disposed within the chamber for removing carbon dioxide from the enclosure air, and a fan initiating flow through the chamber. The system may be used within a building, a vehicle, or an open environment.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)

- [XA] DE 3803600 A1 19880818 - JENSEN THORLEIF [DK], et al
- [X] US 5706846 A 19980113 - SUTTON DEBRA LYNNE [US]
- [A] US 2002098794 A1 20020725 - KRAFTHOFER BRIAN C [US]
- [A] US 5862819 A 19990126 - CRADEUR ROBERT R [US]
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Citation (examination)

- EP 0277787 A2 19880810 - GAMOW R IGOR [US], et al
- US 5109837 A 19920505 - GAMOW RUSTEM I [US]

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