

Title (en)

Built-in pump for an airbed with a single valve

Title (de)

Eingebaute Pumpe für eine Luftmatratze mit einem Einzelventil

Title (fr)

Pompe intégrée pour matelas pneumatique avec une seule vanne

Publication

EP 1961335 A1 20080827 (EN)

Application

EP 08003118 A 20080220

Priority

US 89146707 P 20070223

Abstract (en)

A built-in pump (20) for an airbed (A). A single mechanical control (26) turns on and off operation of a fan motor (32), opens a single valve (68) used with the pump, and selects whether a fan (52) connected to the fan motor (32) is blowing air into the airbed (A) or is sucking air out of the airbed through the valve. The single valve (68) is mounted on the side of the housing (22) for the pump (20). This feature permits the airbed (A) to be folded against the back of the housing (22), allowing more efficient folding and storage.

IPC 8 full level

A47C 27/08 (2006.01)

CPC (source: EP US)

A47C 27/082 (2013.01 - EP US); **F04D 25/084** (2013.01 - EP); **F04D 29/503** (2013.01 - EP US)

Citation (applicant)

- US 4224706 A 19800930 - YOUNG GARY A, et al
- US 5588811 A 19961231 - PRICE GERALD H [CA]
- US 6543073 B2 20030408 - WU HSIN-TSAI [TW]
- WO 02082955 A1 20021024 - CHAFFEE ROBERT B [US]

Citation (search report)

- [X] WO 02082955 A1 20021024 - CHAFFEE ROBERT B [US]
- [X] DE 202006000537 U1 20061207 - WU HSIN TSAI [TW]
- [X] US 2006065322 A1 20060330 - WU HSIN-TSAI [TW]
- [X] US 2003037839 A1 20030227 - SONG RONG-JYH [TW], et al

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EP3450767A1; US11339792B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1961335 A1 20080827; **EP 1961335 B1 20100421**; AT E464814 T1 20100515; AU 2008200788 A1 20080911; DE 602008000999 D1 20100602; US 2008201857 A1 20080828

DOCDB simple family (application)

EP 08003118 A 20080220; AT 08003118 T 20080220; AU 2008200788 A 20080219; DE 602008000999 T 20080220; US 3155508 A 20080214