

Title (en)

Inflator with drop-in batteries and universal adapters

Title (de)

Batteriebetriebene Aufblasvorrichtung mit Universaladaptor

Title (fr)

Gonfleur entraînée par batterie avec adaptateur universel

Publication

**EP 0852296 A2 19980708 (EN)**

Application

**EP 98300052 A 19980106**

Priority

- US 77884197 A 19970106
- US 96087997 A 19971030

Abstract (en)

A portable, battery powered inflator with removable batteries (16,16') which are switch (18) activated. The inflator has an air intake (4) and output (6) for delivering air into a variety of air bladders with different sized valves. The batteries (16,16') are typical dry cells and not rechargeable to save cost. The inflator has a cover (15) that allows quick removable and replacement of the batteries. An adapter assembly including a transition structure and adapters (38,38') are provided to allow inflation of a variety of bladders having different sized valves. The attaching of the transition structure engages the switch (18) completing an electrical circuit that activates the motor (8) to deliver air automatically. <IMAGE>

IPC 1-7

**F04D 25/08**

IPC 8 full level

**F04D 25/08** (2006.01)

CPC (source: EP)

**F04D 25/0673** (2013.01); **F04D 25/084** (2013.01)

Citation (applicant)

- US 4977633 A 19901218 - CHAFFEE ROBERT B [US]
- US 5267363 A 19931207 - CHAFFEE ROBERT B [US]
- US 5367726 A 19941129 - CHAFFEE ROBERT B [US]

Cited by

CN109441852A; AU760985B2; AU2003243994B2; AU2003244024B2; EP1359325A3; US9752693B2; US6990994B2; WO0009890A1; US6237653B1; US6598626B2; JP2002522708A; US6237621B1; US6508264B2; US6755208B2; US6986360B2; US7938138B2; US8307841B2; US9086162B2

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