

Title (en)
A SPORTS BALL VALVE

Title (de)
VENTIL FÜR EINEN SPORTBALL

Title (fr)
VALVE POUR BALLON DE SPORT

Publication
EP 1611381 A4 20060920 (EN)

Application
EP 04721092 A 20040317

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Abstract (en)
[origin: WO2004083697A1] The present invention provides a valve (10) comprising a mounting member (12) for mounting of the valve. The valve includes a collapsible aperture (20) which in an open condition allows for flow of a fluid in a forward direction through the valve whilst in a closed condition prevents flow of fluid in a reverse direction. In one form of the valve, the valve element is connected to the mounting member (12) via an isolation zone (22) that reduces likelihood of the collapsible aperture moving to an open condition under impact. In another form of the valve, the valve element is configured to provide opening of the collapsible aperture on application of a predetermined force to the mounting member. In a final form of the valve, the valve comprises a sports ball valve having a collapsible aperture which is opened by fluid pressure alone.

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

- [X] US 2064695 A 19361215 - SIPE HARRY E
- [X] WO 0077429 A1 20001221 - IP ONE PTY LTD [AU], et al
- [X] US 2731028 A 19560117 - MCCORD GEORGIE P
- [A] US 274447 A 18830320
- [X] US 3621876 A 19711123 - CAMPBELL ROBERT K
- [X] GB 713319 A 19540811 - TUCK & COMPANY LTD
- [A] GB 426786 A 19350410 - JAMES BENSON, et al
- See references of WO 2004083697A1

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