

Title (en)  
SECURITY VALVE

Title (de)  
SICHERHEITSVENTIL

Title (fr)  
SOUPAPE DE SECURITE

Publication  
**EP 1631488 A1 20060308 (EN)**

Application  
**EP 04736179 A 20040606**

Priority  
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Abstract (en)  
[origin: WO2004108518A1] A security valve (fig.1) to prevent water intrusion through a submerged outlet opening from a vessel's internal sea valve system in case of malfunction or internal leak thereof, comprises a cylindrical housing; a valve seat; and a ball valve member, and is inventively aimed at (retro-)fitting from outside into such opening leading through the vessel's hull, without substantial exterior protrusion. An inventive security valve further comprises: a thread for mounting a valve guide arrangement (fig.2.5) into the cylindrical housing (fig.2E) for mutual sealing, the security valve (fig.1) upper/proximal section being equipped with a seal functioning as a ball stop (fig.2.2); the valve guide arrangement (fig.2.5) being elongate ball centering guides having ball stops (fig.2.4) at distal ends and defining a longitudinal exit channel for particle passage; and the ball's (1.3) density being slightly higher than water's.

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CPC (source: EP)  
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