

Title (en)  
A reed for use in a valve assembly

Title (de)  
Zunge für ein Blattventil

Title (fr)  
Lame pour soupape à lamelle

Publication  
**EP 1002951 A2 20000524 (EN)**

Application  
**EP 99308362 A 19991022**

Priority  
GB 9825550 A 19981120

Abstract (en)  
A reed (119) for use in a valve assembly, the reed being an elongate resilient reed (119) which comprises a body portion (129) having one end (121) intended for fixing to a mount and another end contiguous with a valve closure portion (127) of the reed (119), the reed (119) being such that the width of the body portion (129) tapers towards the valve closure portion (127) so that the width of the surface of the body portion (129) adjacent the valve closure portion (127) is small relative to the width of the valve closure portion (127) whereby the configuration of the reed (119) is such as substantially to equalise the bending stress experienced by the reed (119) along the length of the body portion (129) when the reed (119) is in use and a load generated by fluid flow is applied to the valve closure portion (127), and the reed (119) being such that the end of the valve closure portion which is furthest away from the body portion is a straight end (303) which extends transversely to the longitudinal axis of the body portion (129). <IMAGE>

IPC 1-7  
**F04B 39/10; F16K 15/16**

IPC 8 full level  
**F04B 39/10** (2006.01)

CPC (source: EP)  
**F04B 39/1073** (2013.01)

Cited by  
EP1609992A4; WO2008047515A1; US7059344B2; DE202014009180U1; WO2009135281A1; WO2012040807A1

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