

Title (en)  
Finger follower arm

Title (de)  
Schlepphebel

Title (fr)  
Linguet

Publication  
**EP 0849436 B1 20010620 (EN)**

Application  
**EP 96120301 A 19961218**

Priority  
EP 96120301 A 19961218

Abstract (en)  
[origin: EP0849436A1] A finger follower arm (50) is provided for mounting on a support post (92) to transmit oscillatory motion from a cam to a poppet valve (91) to cause the valve (91) to move linearly between open and closed positions. The arm has a support post end (64) including a downwardly open domed socket (70) for engagement on the support post (92) and an upstanding peripheral wall (68). A tappet valve end (76) has a W-shaped cross-section and has a bridge piece (78) defining a downwardly open channel (84) having parallel side surfaces (86,88) and a downwardly facing bearing surface (90) between the side surfaces (86,88) for engagement with said poppet valve (91). A pair of upstanding spaced-apart side walls (72,74) extend between the support post end (64) and the tappet valve end (76) and blend into the peripheral wall (68) which extends continuously between the side walls (72,74) to rigidify the support post end (64). The bridge piece (78) and side walls (72,74) are separated by grooves (80,82) which combine with the bridge piece (78) and the side walls (72,74) to define the W-shaped cross-section. A method of manufacture is also described. <IMAGE>

IPC 1-7  
**F01L 1/18**

IPC 8 full level  
**F01L 1/18** (2006.01)

CPC (source: EP)  
**B21K 1/205** (2013.01); **F01L 1/185** (2013.01); **F01L 2303/00** (2020.05)

Cited by  
EP1375830A1; DE10030341A1; DE10030341C2; US7043836B2; DE102011076727A1; US7761988B2; WO2005005788A1; WO0065202A1

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