

Title (en)
Finger follower arm

Title (de)
Schlepphebel

Title (fr)
Linguet

Publication
EP 0849436 A1 19980624 (EN)

Application
EP 96120301 A 19961218

Priority
EP 96120301 A 19961218

Abstract (en)
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)

Citation (search report)
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Designated contracting state (EPC)
AT DE ES FR GB IT SE

DOCDB simple family (publication)
EP 0849436 A1 19980624; **EP 0849436 B1 20010620**; AT E202404 T1 20010715; DE 69613477 D1 20010726; DE 69613477 T2 20020425; ES 2160203 T3 20011101

DOCDB simple family (application)
EP 96120301 A 19961218; AT 96120301 T 19961218; DE 69613477 T 19961218; ES 96120301 T 19961218