

Title (en)  
Switching finger follower assembly

Title (de)  
Schalterschlepphebelanordnung

Title (fr)  
Système de culbuteur commutable

Publication  
**EP 2317084 A1 20110504 (EN)**

Application  
**EP 10186083 A 20060918**

Priority  
• EP 06814888 A 20060918  
• US 71812005 P 20050916

Abstract (en)  
A finger follower assembly (30) for variably activating a valve of an internal combustion engine having a camshaft with at least one lobe. The finger follower assembly includes a follower body (54), a shaft (78), a cam follower (80), and a latching mechanism (58). The cam follower is supported by the shaft and is configured for engagement with the at least one lobe (42,44). The cam follower is configured to pilot on the camshaft to maintain an alignment of the cam follower with respect to the at least one lobe. The latching mechanism selectively latches and unlatches the cam follower to the follower body to provide a first valve lift capability and a second valve lift capability.

IPC 8 full level  
**F01L 1/18** (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP US)  
**F01L 1/185** (2013.01 - EP US); **F01L 13/0005** (2013.01 - EP US); **F01L 13/0036** (2013.01 - EP US); **F01L 2305/00** (2020.05 - EP US)

Citation (search report)  
• [XY] WO 2004094791 A1 20041104 - INA SCHAEFFLER KG [DE], et al  
• [X] US 2003209216 A1 20031113 - KREUTER PETER [DE]  
• [X] DE 10345307 A1 20050414 - INA SCHAEFFLER KG [DE]  
• [Y] DE 19606796 A1 19961107 - AUDI AG [DE]  
• [Y] US 4739675 A 19880426 - CONNELL CALVIN C [US]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2007035673 A2 20070329; WO 2007035673 A3 20070524**; AT E524638 T1 20110915; EP 1934436 A2 20080625;  
EP 1934436 B1 20110914; EP 2305966 A1 20110406; EP 2317084 A1 20110504; JP 2009509081 A 20090305; US 2008245330 A1 20081009

DOCDB simple family (application)  
**US 2006036349 W 20060918**; AT 06814888 T 20060918; EP 06814888 A 20060918; EP 10186083 A 20060918; EP 10186111 A 20060918;  
JP 2008531420 A 20060918; US 6595406 A 20060918