

Title (en)
SWITCH ELEMENT FOR VALVE ACTUATION IN AN INTERNAL COMBUSTION ENGINE

Title (de)
SCHALTELEMENT FÜR EINEN VENTILTRIEB EINER BRENNKRAFTMASCHINE

Title (fr)
ELEMENT DE COMMUTATION POUR UN MECANISME DE COMMANDE DE SOUPAPES D'UN MOTEUR A COMBUSTION INTERNE

Publication
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Application
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Abstract (en)
[origin: WO03067038A1] A switch element (1) for valve actuation in an internal combustion engine is disclosed, preferably for valve closure, comprising a simply achieved measure for adjustment of the coupling play, the coupling means (8) for which are retained in a recess by means of two securing rings (19, 20), the thickness of one of which may be varied.

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F01L 13/0005 (2013.01 - EP US); **F01L 13/0031** (2013.01 - EP US); **F01L 2303/00** (2020.05 - EP US); **F01L 2305/00** (2020.05 - EP US)

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US 2005166880 A1 20050804; US 2006191503 A1 20060831; US 2006219199 A1 20061005; US 2009145391 A1 20090611;
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