

Title (en)
Throttle valve for internal combustion engines

Title (de)
Drosselventil für Verbrennungsmotoren

Title (fr)
Papillon des gaz pour moteurs à combustion interne

Publication
EP 2752569 A1 20140709 (EN)

Application
EP 13150306 A 20130104

Priority
EP 13150306 A 20130104

Abstract (en)
The present disclosure generally relates to a self-cleaning throttle valve (80) to be used in an internal combustion engine. The disclosed throttle valve (80) may comprise a valve housing (90) including a side wall (92), an inlet (94), and an outlet (96) extending through the side wall (92). The throttle valve (90) may further comprise a valve seat (98) disposed at the outlet (96) and at least partially protruding into the valve housing (96), and a valve shut-off element (100) arranged within the valve housing (90) and being rotatable about a rotational axis (C) between a first position in which the valve shut-off element (100) is spaced apart from the valve seat (98) and a second position in which the valve shut-off element (100) engages the valve seat (98) and closes the outlet (96).

IPC 8 full level
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CPC (source: EP)
F02D 9/04 (2013.01); **F02D 9/1025** (2013.01); **F02D 9/1045** (2013.01); **F02D 9/16** (2013.01); **F02M 26/70** (2016.02); **F02M 26/72** (2016.02)

Citation (applicant)
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• US 4492519 A 19850108 - OWEN BRUCE R [US], et al

Citation (search report)
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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