

Title (en)
THROTTLE

Title (de)
DROSSEL

Title (fr)
PAPILLON DES GAZ

Publication
EP 3244041 B1 20230712 (EN)

Application
EP 17169845 A 20170508

Priority
CN 201620433790 U 20160512

Abstract (en)
[origin: EP3244041A1] The present device relates to a throttle, comprising: a housing, having a throttle throat; a cover mated with the housing, the material of the cover being plastic; an electric machine; a torque transfer apparatus meshed with an output end of the electric machine; a throttle shaft connected in a fixed manner to the torque transfer apparatus, the throttle shaft passing through the throttle throat, and being supported by being inserted into a first mounting hole and a second mounting hole in the throttle housing; a butterfly valve mounted on the throttle shaft and located inside the throttle throat; the electric machine being located in the cover. Since the electric machine is located in the cover, there is no need for a chamber for accommodating the electric machine to be provided in the housing, so material costs are reduced, and there is no need for the chamber and screw holes for fixing the electric machine to be formed in the cover by machining, so processing costs are reduced.

IPC 8 full level
F02D 9/10 (2006.01); **F02D 11/10** (2006.01)

CPC (source: EP)
F02D 9/10 (2013.01); **F02D 9/1035** (2013.01); **F02D 9/1075** (2013.01); **F02D 9/108** (2013.01); **F02D 11/10** (2013.01)

Cited by
EP3855007A4

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

DOCDB simple family (publication)
EP 3244041 A1 20171115; EP 3244041 B1 20230712; CN 205605313 U 20160928

DOCDB simple family (application)
EP 17169845 A 20170508; CN 201620433790 U 20160512