

Title (en)
Multiple throttle device

Title (de)
Mehrfachdrosselvorrichtung

Title (fr)
Vanne à papillon multiple

Publication
EP 2599984 A3 20150624 (EN)

Application
EP 12195042 A 20121130

Priority
JP 2011262026 A 20111130

Abstract (en)
[origin: EP2599984A2] A multiple throttle device of the invention employs a constitution in which, as a sensor section (33) that detects the opening of throttle valves (23), a shaft member (35) formed to have a different axis from a throttle shaft is positioned within the width L of a throttle body (19), and a throttle position sensor (37) is disposed in the shaft member.

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

CPC (source: EP)
F02D 9/105 (2013.01); **F02D 9/1065** (2013.01); **F02D 9/1095** (2013.01); **F02D 11/107** (2013.01)

Citation (search report)

- [XY] EP 2143914 A1 20100113 - YAMAHA MOTOR CO LTD [JP]
- [Y] DE 19540323 A1 19970430 - BOSCH GMBH ROBERT [DE]
- [X] DE 102008063210 A1 20091001 - HONDA MOTOR CO LTD [JP]
- [X] EP 1462644 A2 20040929 - HONDA MOTOR CO LTD [JP]
- [A] EP 1555408 A1 20050720 - MIKUNI KOGYO KK [JP]
- [A] EP 1777395 A1 20070425 - HONDA MOTOR CO LTD [JP]

Cited by
CN114893306A; EP3514369A1; US11022032B2; US10138819B2; US10895204B2

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2599984 A2 20130605; EP 2599984 A3 20150624; JP 2013113259 A 20130610; JP 5901254 B2 20160406

DOCDB simple family (application)
EP 12195042 A 20121130; JP 2011262026 A 20111130