

Title (en)
VARIABLE VALVE DEVICE OF AN INTERNAL COMBUSTION ENGINE

Title (de)
VARIABLE VENTILVORRICHTUNG FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
DISPOSITIF À SOUPAPES VARIABLES D'UN MOTEUR À COMBUSTION INTERNE

Publication
EP 2505795 B1 20140611 (EN)

Application
EP 10833172 A 20101122

Priority
• JP 2009267506 A 20091125
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Abstract (en)
[origin: US2012145101A1] A variable valve device has a configuration in which a first cam (20) and a second cam (22a) that is a counterpart of the first cam are disposed in the outside of a shaft member (17) so that the second cam (22a) is displaceable in the circumferential direction, and is formed so that a cam face (22c) of the second cam has a cam width dimension a that is larger than a cam width b of a cam face of the first cam.

IPC 8 full level
F01L 1/04 (2006.01); **F01L 1/047** (2006.01); **F01L 1/053** (2006.01); **F01L 1/14** (2006.01); **F01L 1/34** (2006.01); **F01L 1/344** (2006.01)

CPC (source: EP KR US)
F01L 1/04 (2013.01 - KR); **F01L 1/053** (2013.01 - EP US); **F01L 1/143** (2013.01 - EP US); **F01L 1/34** (2013.01 - KR);
F01L 1/34413 (2013.01 - EP US); **F01L 1/3442** (2013.01 - EP US); **F01L 2001/0473** (2013.01 - EP US); **F01L 2001/0537** (2013.01 - EP US);
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Cited by
EP2511488A4; US8939117B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 2012145101 A1 20120614; BR 112012004601 A2 20160405; CN 103038458 A 20130410; EP 2505795 A1 20121003;
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