

Title (en)
VALVE GEAR OF INTERNAL COMBUSTION ENGINE

Title (de)
VENTILTRIEB FÜR VERBRENNUNGSMOTOR

Title (fr)
TRAIN DE SOUPAPES POUR MOTEUR THERMIQUE

Publication
EP 1666701 A4 20100407 (EN)

Application
EP 04772152 A 20040825

Priority
• JP 2004012191 W 20040825
• JP 2003208562 A 20030825

Abstract (en)
[origin: EP1666701A1] A valve gear of an internal combustion engine, wherein when a zone for one of the positive and negative accelerations of a rotating cam is set to be used by a ramp part, the ramp part is formed in a curved shape so that the lift amount of a swing cam per unit swing angle can generate the other positive or negative acceleration so that a valve lift speed at the portion of the valve corresponding to the ramp part is made generally constant.

IPC 8 full level
F01L 1/08 (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP US)
F01L 1/08 (2013.01 - EP US); **F01L 13/0021** (2013.01 - EP US); **F01L 13/0063** (2013.01 - EP US); **F01L 2013/0068** (2013.01 - EP US); **F01L 2305/00** (2020.05 - EP US)

Citation (search report)
• [Y] GB 629629 A 19490923 - AUSTIN MOTOR CO LTD, et al
• [Y] US 6055949 A 20000502 - NAKAMURA MAKOTO [JP], et al
• See references of WO 2005019607A1

Cited by
EP2101045A3; DE102006018510A1; US8118003B2; EP2336508A1; AU2010338453B2; US8584635B2; WO2011080076A1

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