

Title (en)
CAMSHAFT DRIVE FOR MULTICYLINDER V-ENGINE

Publication
EP 0406528 B1 19930901 (DE)

Application
EP 90106689 A 19900406

Priority
DE 3921716 A 19890701

Abstract (en)
[origin: JPH0337307A] PURPOSE: To reduce noise and vibration by integrally-fitting two sprockets to an intermediate wheel moving together with a crankshaft and driving respective two camshafts assigned to respective cylinder banks by the respective sprockets through a chain. CONSTITUTION: This camshaft drive, which is disposed between a flywheel (not illustrated) fixed to the end surface on the driven side of a crankshaft 2 supported by the crankcase 1 of a cylinder V8-engine and an end bearing, includes a gear 7 for the intermediate wheel 8 engaged with the gear 6 of the crankshaft, and two chain drives driven by the intermediate wheel 8 to drive four camshafts 11, 12, 13, 14 assigned to both cylinder banks 9, 10. A boss sleeve 19 of the gear 7 is integrally-formed with double sprockets 16, 18 so that double sprockets 11, 12, 13, 14 fitted at respective camshafts 11, 12, 13, 14 may be driven by the double sprockets 16, 18 using double roller chain 15, 17.

IPC 1-7
F01L 1/02

IPC 8 full level
F01L 1/02 (2006.01); **F01L 1/04** (2006.01); **F01L 1/34** (2006.01); **F02B 75/22** (2006.01)

CPC (source: EP US)
F01L 1/02 (2013.01 - EP US); **F01L 1/022** (2013.01 - EP US); **F02B 75/22** (2013.01 - EP US); **F01L 2001/0537** (2013.01 - EP US); **F02B 2275/08** (2013.01 - EP US); **F02B 2275/18** (2013.01 - EP US)

Cited by
FR3058759A1; GB2270116A; WO0014387A1

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