

Title (en)

Location of a cam shaft in the cylinder head of an internal combustion engine

Title (de)

Anordnung einer Nockenwelle im Zylinderkopf einer Brennkraftmaschine

Title (fr)

Agencement d'un arbre à cames dans la culasse d'un moteur à combustion interne

Publication

**EP 1286024 A3 20031119 (DE)**

Application

**EP 02015997 A 20020718**

Priority

DE 10141213 A 20010823

Abstract (en)

[origin: EP1286024A2] The camshaft arrangement includes a shaft joint (9) in a separately formed casing (8). The casing includes an integrated shell bearing (4) with a step bearing (3). There are axial step bearing stop surfaces (13, 13') either side of the shell bearing, in recesses (14, 14') in the casing of greater diameter than that of the shell bearing.

IPC 1-7

**F01L 1/344**; F16D 3/10; F01L 1/34

IPC 8 full level

**F01L 1/053** (2006.01); **F01L 1/34** (2006.01); **F01L 1/344** (2006.01)

CPC (source: EP)

**F01L 1/022** (2013.01); **F01L 1/053** (2013.01); **F01L 1/34** (2013.01); **F01L 1/34406** (2013.01)

Citation (search report)

- [A] US 5875751 A 19990302 - STRAUSS ANDREAS [DE], et al
- [A] EP 0801211 A1 19971015 - TOYOTA MOTOR CO LTD [JP]
- [A] DE 19616266 A1 19971030 - SCHAEFFLER WAEHLZLAGER KG [DE]

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**EP 1286024 A2 20030226**; **EP 1286024 A3 20031119**; **EP 1286024 B1 20080227**; DE 10141213 A1 20030306; DE 10141213 B4 20081120; DE 50211771 D1 20080410

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