

Title (en)
Crank shaft for an internal combustion engine

Title (de)
Kurbelwelle eines Motors

Title (fr)
Vilebrequin pour un moteur à combustion interne

Publication
EP 1043486 A3 20011121 (DE)

Application
EP 00105797 A 20000318

Priority
DE 19915508 A 19990407

Abstract (en)
[origin: EP1043486A2] The engine crankshaft has at least two power takeoffs which are clamped to each other on a common sector of the shaft by means of a basically axially directed clamping force. The crankshaft has a device (7) to convert the axially directed clamping force into clamping force with a radial component acting on at least one of the power takeoffs.

IPC 1-7
F02B 67/06; **F16D 1/08**

IPC 8 full level
F16B 5/06 (2006.01); **F02B 67/06** (2006.01); **F16B 1/02** (2006.01); **F16B 9/02** (2006.01); **F16C 3/02** (2006.01); **F16D 1/08** (2006.01); **H02K 7/075** (2006.01)

CPC (source: EP US)
F02B 67/06 (2013.01 - EP US); **Y10T 74/2173** (2015.01 - EP US); **Y10T 403/7054** (2015.01 - EP US)

Citation (search report)
• [X] GB 2013835 A 19790815 - WILLIAMS POWER PRODUCTS LTD
• [A] DE 2703795 A1 19770804 - VOEST AG

Cited by
CN104358794A; CN105465155A; DE102008046167A1; DE102008046167B4

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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EP 1043486 A2 20001011; **EP 1043486 A3 20011121**; **EP 1043486 B1 20050316**; DE 19915508 A1 20001012; DE 50009753 D1 20050421; ES 2239952 T3 20051016; JP 2000316255 A 20001114; US 2002178860 A1 20021205; US 6439080 B1 20020827; US 6532844 B2 20030318

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