

Title (en)  
OSCILLATING PISTON ENGINE

Title (de)  
SCHWENKKOLBENMASCHINE

Title (fr)  
MOTEUR A PISTONS OSCILLANTS

Publication  
**EP 1144806 A1 20011017 (DE)**

Application  
**EP 00901093 A 20000112**

Priority  
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Abstract (en)  
[origin: US2002029756A1] An oscillating-piston engine comprises a housing, in which several pistons configured as two-armed levers are arranged pivotably, respectively, around a pivot axis being parallel to a central housing axis and movable commonly in a revolution direction. The pistons comprise running surfaces on their side facing away from the housing inner wall, which are guided alongside at least one control cam when the pistons revolve in the housing, of a centrally housing-fixed cam piece, in order to control the pivot movements of the pistons in revolution. The control cam is configured as inner contour on the cam piece, alongside of which the pistons are guided supported to the side of the centrifugal force via the running surfaces. The cam piece comprises another, inner contour configured as a control cam alongside of which the pistons are guided supported to the direction of the central housing axis via the running surfaces.

IPC 1-7  
**F01C 1/44**

IPC 8 full level  
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CPC (source: EP US)  
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**US 2002029756 A1 20020314**; **US 6431139 B1 20020813**; AT E226275 T1 20021115; AU 2108000 A 20000801; DE 19901110 A1 20000727; DE 19901110 C2 20020606; DE 50000646 D1 20021121; EP 1144806 A1 20011017; EP 1144806 B1 20021016; JP 2002535529 A 20021022; WO 0042290 A1 20000720

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