

Title (en)
Combustion engine

Title (de)
Verbrennungsmotor

Title (fr)
Moteur à combustion

Publication
EP 1195503 A3 20030416 (DE)

Application
EP 01123546 A 20011001

Priority
AT 16822000 A 20001004

Abstract (en)
[origin: EP1195503A2] The engine has a combustion chamber, connected via an outlet valve to an expansion chamber, and several compressor pumps (23) with air intake valves. Each intake valve (24) may be throttled. The volume of the cylinder chamber (25) of a compressor pump, or the complete volume of all pump cylinder chambers, is larger by at least 25%, pref. at least 50%, than the volume for filling the combustion chamber (7) with a mixture having an air ratio of $\alpha = 1$, for a fuel volume introduced for full engine load.

IPC 1-7
F02B 75/02; **F02B 33/08**

IPC 8 full level
F01B 9/06 (2006.01); **F02B 33/08** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP US)
F01B 9/06 (2013.01 - EP US); **F02B 33/08** (2013.01 - EP US); **F02B 75/02** (2013.01 - EP US); **F01B 2009/065** (2013.01 - EP US)

Citation (search report)

- [DX] FR 820750 A 19371117
- [X] US 2453377 A 19481109 - RENE LOZIVIT
- [DA] EP 0957250 A2 19991117 - HMS ARTIST SCHEIER OEG [AT]
- [A] FR 2416344 A1 19790831 - KOVACS ANDRE [FR]
- [A] US 4848282 A 19890718 - CHANEAC ANDRE [FR]

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1195503 A2 20020410; **EP 1195503 A3 20030416**; US 2002179037 A1 20021205

DOCDB simple family (application)
EP 01123546 A 20011001; US 97052601 A 20011003