

Title (en)  
VARIABLE GEOMETRY TURBOCHARGER WITH SLIDING PISTON

Title (de)  
ABGASTURBOLADER MIT VARIABLELER GEOMETRIE UND EINEM RINGSCHIEBER

Title (fr)  
TURBOCOMPRESSEUR A GEOMETRIE VARIABLE AVEC PISTON COULISSANT

Publication  
**EP 1337739 B1 20061220 (FR)**

Application  
**EP 00985372 A 20001130**

Priority  
FR 0003350 W 20001130

Abstract (en)  
[origin: WO0244527A1] The invention concerns a turbocharger with a variable geometry turbine comprising a mobile cylindrical piston (70) to modify the cross-section of the input nozzle to the turbine. Vanes (90) extending from a heat shield (92) for adjusting the flow of the nozzle are contacted by the piston in a first closed position. In a second open position, the piston is spaced apart from the vanes, thereby increasing the input nozzle cross-section.

IPC 8 full level  
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**WO 0244527 A1 20020606**; AU 2181201 A 20020611; CA 2423755 A1 20020606; CA 2423755 C 20090203; CN 100340742 C 20071003; CN 1454285 A 20031105; DE 60032523 D1 20070201; DE 60032523 T2 20071122; EP 1337739 A1 20030827; EP 1337739 B1 20061220; HU 225776 B1 20070828; HU P0302896 A2 20031229; JP 2004514840 A 20040520; KR 100737377 B1 20070709; KR 20030076979 A 20030929; MX PA03004873 A 20050214; US 2004025504 A1 20040212; US 7024855 B2 20060411

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