

Title (en)
Turbocharger apparatus.

Title (de)
Turbolader.

Title (fr)
Turbosoufflante.

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Application
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Abstract (en)
Variable turbocharger apparatus (2) comprising a compressor housing (64), a compressor (6) mounted for rotation in the housing (64), a turbine housing (4), a turbine (12) mounted for rotation in the housing (4), a first inlet (16) for enabling air to be conducted to the compressor (6), an outlet (18) for air from the compressor (6), a second inlet (20) for enabling exhaust gases from an engine to be conducted to the turbine (12), a chamber (22) which surrounds the turbine (12) and which receives the exhaust gases from the second inlet (20) before the exhaust gases are conducted to the turbine (12), a piston (24) which is positioned between the turbine (12) and the housing (4) and which is slidable backwards and forwards to form a movable wall separating the turbine (12) from the chamber (22) which surrounds the turbine (12), a bearing assembly (68) for allowing the rotation of the compressor (6) and the turbine, and a heat shield (201) for shielding the bearing assembly (68) from the exhaust gases, and the piston (24) having a plurality of vanes (102) which enter into slots (260) in the heat shield (201). <IMAGE>

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Cited by
US7581394B2; EP1260675A1; EP0802305A1; US5758500A; CN100340742C; KR100737377B1; US6694733B1; US6443696B1; US9366264B2; US7272929B2; US8979485B2; WO9953180A1; WO0153679A1; WO2020229616A1; WO2004048755A1; US6810666B2; US6726447B2; US7024855B2; WO0244527A1

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