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(54) **INTERNAL COMBUSTION ENGINE HAVING
A TWO STAGE TURBOCHARGER**

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(57) **ABSTRACT**

A two stage turbocharger for an internal combustion engine,
the two stage turbocharger comprising a high pressure turbine fluidly connected to an exhaust manifold of the engine through a high pressure turbine inlet duct and a low pressure turbine fluidly connected to the high pressure turbine through a low pressure turbine inlet duct, wherein the low pressure turbine is a variable geometry turbine, wherein the two stage turbocharger comprise a bypass duct system to bypass the variable geometry low pressure turbine, wherein the bypass duct system comprises a bypass valve.

9 Claims, 4 Drawing Sheets

