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(54) Title: AIR COOLING CHAMBER ASSEMBLY AND INTERNAL COMBUSTION ENGINE HAVING THE SAME

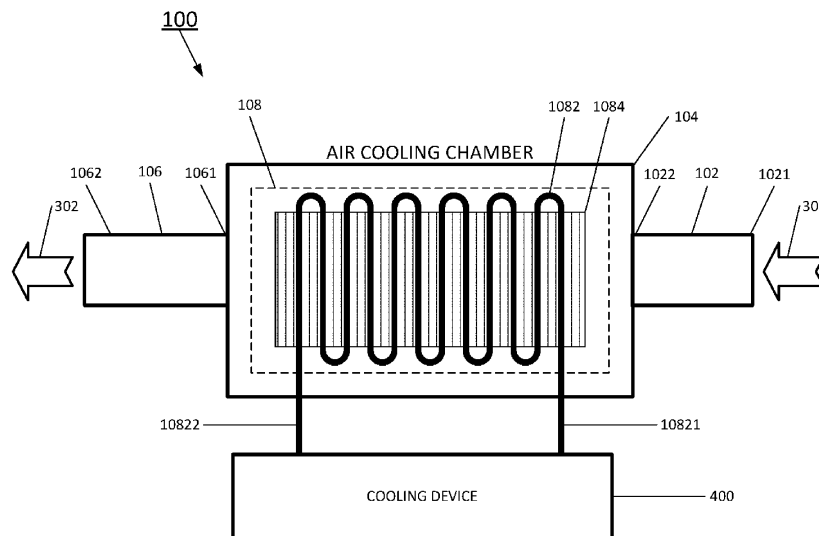


FIG. 1

(57) Abstract: Present disclosure relates to air cooling chamber assembly. The air cooling chamber assembly includes: an air intake duct receiving ambient air outside of an internal combustion engine, an air cooling chamber cooling the ambient air received from the air intake duct to generate cooled air, and an air output duct providing the cooled air generated from the air cooling chamber to the internal combustion engine. The air cooling chamber assembly is connected to an air intake of the internal combustion engine to cool the ambient air to generate the cooled air prior to entering the internal combustion engine, and to provide the cooled air generated to the air intake of the internal combustion engine. The cooled air from air cooling chamber contains increased amount of oxygen molecules, and increased amount of oxygen improves fuel efficiency and reduces greenhouse gas emission of the internal combustion engine.

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