

Novel coolant for corrosion-protection of magnesium alloy engine parts (Technion)

code: CHM-8013

The trend towards reduced fuel consumption for automobiles has led to an increase in the use of lighter metallic alloys in engines. Aside from weight reduction, magnesium alloys have other advantages such as reduction in materials cost and reduction of manufacturing costs due to a more efficient manufacturing process. Special attention has been placed on magnesium in the past ten years by the automobile industry worldwide. This innovative coolant is designed specifically to protect magnesium alloys from corrosion while also protecting all of the other metals in the engine for an efficient and long-lasting operation.

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