

Title (en)
Gold-plated water heater element and method of making same

Title (de)
Vergoldeter Wassererhitzer und Verfahren zu seiner Herstellung

Title (fr)
Chauffe-eau revêtu d'or et son procédé de fabrication

Publication
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Application
EP 99310506 A 19991223

Priority
US 11413598 P 19981230

Abstract (en)
A self-cleaning water heater element is provided. The water heater element is plated with a layer of gold such that the gold surface has a low surface roughness. The smooth gold surface inhibits scale formation on the water heater element. The gold-plated smooth-surfaced water heater element may be manufactured by coating a standard water heater element with an adhesion layer, electroplating a layer of bright nickel on the adhesion layer, and electroplating a gold layer on top of the bright nickel layer.

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