

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

EP 1018855 A3 20020410 (EN)

Application

EP 99310506 A 19991223

Priority

US 11413598 P 19981230

Abstract (en)

[origin: EP1018855A2] 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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IPC 8 full level

H05B 3/12 (2006.01); **H05B 3/78** (2006.01)

CPC (source: EP)

H05B 3/12 (2013.01); **H05B 3/78** (2013.01); **H05B 2203/021** (2013.01)

Citation (search report)

- [X] GB 2319950 A 19980610 - STRIX LTD [GB]
- [A] EP 0656740 A2 19950607 - SEB SA [FR]

Cited by

CN105874102A; EP0353740A1; WO2015026304A1

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