

Title (en)

Protection of the water-side surfaces of heat exchangers used in boilers and gas fired water heaters

Title (de)

Oberflächenschutz der Wasserseiteoberfläche von Wärmeaustauscher von Heizkesseln und Gaswasserheizern

Title (fr)

Protection des surfaces coté eau d'échangeurs de chaleur de chaudières et de chauffe-eau à gaz

Publication

EP 1129789 A1 20010905 (EN)

Application

EP 00200746 A 20000303

Priority

EP 00200746 A 20000303

Abstract (en)

In order to optimise the performance of boiler exchangers, avoiding the precipitation of calcium and magnesium carbonates, in addition to the fouling of the circuits caused by residual working products or by other foreign matters existing in the water network, while keeping drinkable the sanitary water produced according to the WRC standards, IABER S.p.A. has developed a treatment with particular fluorurated resins for the exchange surfaces. Such resins adhere to metallic surfaces thus creating a few microns thick coating limiting the adhesion of limestone and of the deposits existing in heating circuits. <IMAGE>

IPC 1-7

B05D 7/14; **B05D 7/22**; **B05D 5/08**; **F28F 19/04**

IPC 8 full level

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CPC (source: EP)

B05D 5/083 (2013.01); **B05D 7/14** (2013.01); **B05D 7/22** (2013.01); **F28F 19/04** (2013.01)

Citation (search report)

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