

Title (en)

Method for corrosion protection of metallic components in drying plants of the building industry.

Title (de)

Verfahren zum Schutz metallischer Bauteile vor Korrosion in Trocknungsanlagen der Bauindustrie

Title (fr)

Procédé de protection contre la corrosion de composants métalliques dans des installations de séchage de l'industrie de construction

Publication

EP 0967300 B1 20030514 (DE)

Application

EP 99111482 A 19990613

Priority

DE 19827759 A 19980623

Abstract (en)

[origin: EP0967300A1] Metallic components of driers are protected against corrosion by supplying volatile inhibitors which produce corrosion resistant deposits on the components. Metallic components are protected against corrosion in driers (1), in which construction materials are dried with hot air or steam, by supplying the driers with volatile inhibitors which are uniformly finely dispersed as steam and/or hot air constituents in the drying chambers during the drying operation and which form corrosion resistant deposits on the metal components, the volatile inhibitors being added to the steam, the hot air, the water content of the construction materials and/or the feed water or feed water steam in the channels (2) and/or drying chambers (3) of the driers. Preferred Features: The volatile inhibitors are sprayed directly into the channels and/or into the hot air or steam stream prior to entry into the drying chambers. Alternatively, the volatile inhibitors are dosed into the feed water and/or the water to be added to the construction materials, added with the water to the construction materials or introduced with the moist construction materials into the drying chambers, the inhibitors being evaporated together with the water during drying.

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C23F 11/02; F26B 21/14

IPC 8 full level

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