

Title (en)

Method of controlled passivation of the inside walls of a carbon steel cooling system and use of the process to check both the passivation of the metal and the cooling water quality

Title (de)

Verfahren zur kontrollierten Passivierung der Innenwände eines Kühlkreislaufsystems aus Kohlenstoffstahl und Anwendung des Verfahrens zur Bestimmung des Passivierungszustandes und zur Prüfung der Qualität der Kühlflüssigkeit

Title (fr)

Procédé de passivation contrôlée des parois intérieures d'un système de refroidissement en acier au carbone et utilisation du procédé pour le control de la passivation et du qualité de l'eau de refroidissement

Publication

EP 0482614 B1 19951227 (DE)

Application

EP 91118080 A 19911023

Priority

DE 4033686 A 19901023

Abstract (en)

[origin: EP0482614A1] The invention relates to a method of controlled passivation of the inside walls of a carbon-steel cooling circulation system which is open to the air and/or closed, with an aqueous coolant circulating therein and containing alkali metal bicarbonate and alkaline earth metal bicarbonate, and to the use of this method for determining the passivation state of the metallic contact surfaces, for controlling the corrosion inhibition and for checking the quality of the coolant, especially water. <IMAGE>

IPC 1-7

C23C 22/68; **C23C 22/62**; **C23F 15/00**

IPC 8 full level

C23C 22/62 (2006.01); **C23C 22/68** (2006.01); **C23F 15/00** (2006.01)

CPC (source: EP)

C23C 22/62 (2013.01); **C23C 22/68** (2013.01); **C23F 15/00** (2013.01)

Cited by

DE102017107529A1; US6277213B1; WO9824948A1

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0482614 A1 19920429; **EP 0482614 B1 19951227**; **EP 0482614 B2 19990331**; AT E132205 T1 19960115; DE 4135029 A1 19920430; DE 4135029 C2 19930513; DE 59107150 D1 19960208; ES 2082092 T3 19960316; ES 2082092 T5 19990816

DOCDB simple family (application)

EP 91118080 A 19911023; AT 91118080 T 19911023; DE 4135029 A 19911023; DE 59107150 T 19911023; ES 91118080 T 19911023