

Title (en)

METHOD FOR REDUCING THE CORROSIVITY OF COOLING OR PROCESS WATER

Title (de)

VERFAHREN ZUR VERRINGERUNG DER KORROSIVITÄT VON KÜHL- ODER PROZESSWASSER

Title (fr)

PROCEDE PERMETTANT DE REDUIRE LA CORROSIVITE D'UNE EAU DE REFROIDISSEMENT OU DE TRAITEMENT

Publication

**EP 1513634 A2 20050316 (DE)**

Application

**EP 03735588 A 20030610**

Priority

- DE 10227040 A 20020617
- EP 0306041 W 20030610

Abstract (en)

[origin: WO03106074A3] The invention relates to a method for reducing the corrosivity of cooling or process water, during which the pH value is lowered by introducing acids. The inventive method is characterized in that at least one water-soluble salt having a buffering effect is metered to the cooling water or process water. This preferably ensues either proportionally with regard to quantity or according to the measured value of a characteristic control value. The method can be applied to continuous flow systems or to circulation systems and, in particular, can be used in continuous casting installations utilized in the steel industry.

IPC 1-7

**B22D 11/124**; **C23F 15/00**

IPC 8 full level

**C23C 22/34** (2006.01); **C23C 22/56** (2006.01); **C23C 22/68** (2006.01)

CPC (source: EP)

**B22D 11/1245** (2013.01); **C23C 22/34** (2013.01); **C23C 22/56** (2013.01); **C23C 22/68** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 03106074 A2 20031224**; **WO 03106074 A3 20040910**; AT E324954 T1 20060615; AU 2003236726 A1 20031231;  
DE 10227040 A1 20031224; DE 50303211 D1 20060608; EP 1513634 A2 20050316; EP 1513634 B1 20060503; ES 2263003 T3 20061201

DOCDB simple family (application)

**EP 0306041 W 20030610**; AT 03735588 T 20030610; AU 2003236726 A 20030610; DE 10227040 A 20020617; DE 50303211 T 20030610;  
EP 03735588 A 20030610; ES 03735588 T 20030610