

Title (en)

USE OF A DUPLEX STAINLESS STEEL IN A PHOSPHORIC ACID PRODUCTION SYSTEM

Title (de)

VERWENDUNG EINES ROSTFREIEN DUPLEXSTAHL IN EINEM SYSTEM ZUR HERSTELLUNG VON PHOSPHORSÄURE

Title (fr)

UTILISATION D'UN ACIER INOXYDABLE DUPLEX DANS UN SYSTÈME DE PRODUCTION D'ACIDE PHOSPHORIQUE

Publication

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Application

**EP 08841210 A 20081024**

Priority

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- SE 0702392 A 20071026

Abstract (en)

[origin: WO2009054799A1] The present disclosure relates to the use of a duplex stainless steel as heat exchanger material in a phosphoric acid production system using the wet method. The steel has the following composition in percent by weight : C max 0.03 Si max 0.5 Mn max 3 Cr 26-29 Ni 4.9-10 Mo 3-5 N 0.35-0.5 B max 0.0030 Co max 3.5 W max 3 Cu max 2 Ru max 0.3 balance Fe and normal occurring impurities.

IPC 8 full level

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