

Title (en)  
METHOD OF REDUCING CORROSION OF ALUMINIUM COMPONENTS

Publication  
**EP 0083571 B1 19860416 (EN)**

Application  
**EP 83300018 A 19830105**

Priority  
GB 8200291 A 19820106

Abstract (en)  
[origin: EP0083571A1] The corrosion of aluminum components in contact with circulating water, e.g. in radiators of heating systems, is reduced by providing a surface film of finely divided magnetite ( $\text{Fe}_3\text{O}_4$ ). This may be achieved by introducing colloidal magnetite into the circulating water, preferably in conjunction with a surface active agent and a supplementary inhibitor to reduce galvanic corrosion in the presence of copper or brass.

IPC 1-7  
**C23F 15/00; C23F 11/18**

IPC 8 full level  
**C23F 11/18** (2006.01)

CPC (source: EP)  
**C23F 11/18** (2013.01)

Cited by  
FR2583582A1; EP0285318A1; US4885141A; FR2583581A1; EP0206974A3

Designated contracting state (EPC)  
BE DE FR IT NL

DOCDB simple family (publication)  
**EP 0083571 A1 19830713; EP 0083571 B1 19860416**; DE 3362966 D1 19860522; GB 2114113 A 19830817; GB 2114113 B 19850109; GB 8300120 D0 19830209

DOCDB simple family (application)  
**EP 83300018 A 19830105**; DE 3362966 T 19830105; GB 8300120 A 19830105