

Title (en)  
CORROSION-INHIBITING MEANS AND COMPOSITIONS CONTAINING THEM

Publication  
**EP 0096619 B1 19870121 (FR)**

Application  
**EP 83401050 A 19830526**

Priority  
FR 8209426 A 19820528

Abstract (en)  
[origin: CA1202169A] PATENT APPLICATION entitled : Anticorrosion means and composition containing same. In the name of : UNION CHIMIQUE ET INDUSTRIELLE DE L'OUEST This invention relates to a corrosion inhibitor for protecting metallic surfaces which are in contact with water, in particular circuits, apparatus and devices which use water as energetic or thermic fluid, said corrosion inhibitor being a fluorophosphate compound selected from the group consisting of: (i) compound of the formula  $M_2IPO_3F$ ,  $xH_2O$  (ii) compound of the formula  $LiMPO_3F$ ,  $xH_2O$  (iii) compound of the formula  $NaMPO_3F$ ,  $xH_2O$  (iv) compound of the formula  $MIIPO_3F$ ,  $xH_2O$  (v) compound of the formula  $M_2IMII(PO_3F)_2$ ,  $xH_2O$  (vi) compound of the formula  $MPO_2F_2$ ,  $xH_2O$  (vii) compound of the formula  $MII(PO_2F_2)_2$ ,  $xH_2O$  (wherein MI is Na, K, Rb, Cs or HN4; MII is Mg, Ca, Ba, Sr, Zn, Cd, Mn, Ni or Co; and x is an integer or a fractional number comprised between 0 and 6) and (viii) mixtures thereof.

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**C23F 11/18**; **C23F 11/08**

IPC 8 full level  
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CPC (source: EP US)  
**C23F 11/08** (2013.01 - EP US); **C23F 11/141** (2013.01 - EP US); **C23F 11/1676** (2013.01 - EP US); **C23F 11/184** (2013.01 - EP US)

Citation (examination)  
JOURNAL OF APPLIED ELECTROCHEMISTRY, vol. 13, no. 3, mai 1983, pages 317-323 M. DUPRAT et al.: "Les monofluorophosphates de zinc et de potassium en tant qu'inhibiteurs de la corrosion d'un acier au carbone en solution de NaCl à 3%"

Cited by  
US5071579A; EP0481669A3; EP0176197A3; EP0506339A1; EP0322183A3; US5314755A; EP0288812A1; WO9214796A1

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