

Title (en)  
REACTION PRODUCTS OF SULFONE OR CARBOXAMIDO CARBOXYLIC ACIDS WITH ALKANOL AMINES, AND THEIR USE AS CORROSION INHIBITORS WITH LOW FOAM FORMATION

Publication  
**EP 0029529 B1 19830525 (DE)**

Application  
**EP 80106805 A 19801105**

Priority  
DE 2947418 A 19791124

Abstract (en)  
[origin: US4344862A] Products which have been obtained by reacting an acid of the formula I <IMAGE> I where R1 and R2 are hydrogen, fluorine, chlorine, bromine or alkyl or alkoxy of 1 to 4 carbon atoms, but the sum of the carbon atoms of R1 and R2 is not greater than 7 and preferably not greater than 3, A is a benzene, naphthalene or anthracene radical or a biphenyl structure, such as a diphenyl, diphenylmethane, diphenyl ether, diphenyl sulfide, diphenyl sulfoxide or diphenyl sulfone radical, R3 is hydrogen, alkyl of not more than 4 carbon atoms, beta -cyanoethyl or hydroxyalkyl of 2 to 4 carbon atoms, R4 is hydrogen, fluorine, chlorine, bromine, alkyl or alkoxy of 1 to 4 carbon atoms, hydroxyl or carboxyl and X is -SO2- or -CO-, with an amine of the formula II <IMAGE> II where R5 and R6 are hydrogen, C1-C4-alkyl, C2-C4-hydroxyalkyl and/or <IMAGE> R7 and R8 being hydrogen, C1-C4-alkyl or C2-C4-hydroxyalkyl and n being an integer from 2 to 4, in the ratio, expressed in terms of equivalents, of from 1:1 to 1:4, and corrosion inhibitors which contain these products, with or without the admixture of an alkanolamine/boric acid reaction product.

IPC 1-7  
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IPC 8 full level  
**C23F 11/14** (2006.01); **C23F 11/16** (2006.01); **C23F 11/18** (2006.01)

CPC (source: EP US)  
**C23F 11/145** (2013.01 - EP US); **C23F 11/164** (2013.01 - EP US); **Y10S 507/939** (2013.01 - EP US)

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