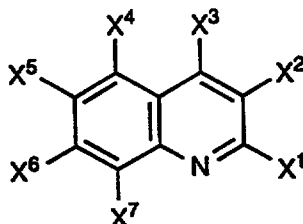


ABSTRACT

MARINE STRUCTURE

A marine structure carrying a coating comprising a layer which contains a quinoline compound, or an N-oxide or a salt thereof, having antifouling activity, the quinoline compound having the general formula I

Formula I



wherein X^1 , X^2 , X^4 , X^5 , X^6 and X^7 independently designate hydrogen; hydroxy; C_{1-5} -alkyl; substituted C_{1-12} -alkyl; optionally substituted C_{2-12} -alkenyl, C_{2-12} -alkynyl, C_{1-12} -alkoxy, heterocyclyl, aryl, aryloxy; halogen; nitro; nitroso; cyano; amino; aminocarbonyl; carboxy; optionally substituted mono- or di(C_{1-12} -alkyl)amino, C_{1-12} -alkylcarbonylamino, mono- or di(C_{1-12} -alkyl)aminocarbonyl, C_{1-12} -acyl, C_{1-12} -acyloxy, C_{1-12} -acyl- C_{1-12} -alkyl; C_{1-12} -alkoxycarbonyl; thio; optionally substituted C_{1-12} -alkylthio, arylthio, C_{1-12} -alkylsulphonyl, arylsulphonyl, mono- or di(C_{1-12} -alkyl)aminosulphonyl; sulphono (SO_3H); sulphino (SO_2H); halosulphonyl; isocyano; isothiocyano; thiocyano; (3-nitro-1,2,4-triazol-1-yl)sulphonyl; 8-quinolinyln-tetraethylene glycolyl; pyranosyl; furanosyl;

X^3 designates the same groups as defined for X^1 above, or X^3 is an optionally substituted quinuclidinylmethyl group.

The quinoline derivatives have exhibited activity against *Enteromorpha* spp., *Amphora* spp., *Nitocra* spp., and *Balanus* spp.

