Title (en)

METHOD OF FORMING ANTICORROSION COATING

Title (de)

VERFAHREN ZUR AUSBILDUNG EINER ANTIKORROSIONSBESCHICHTUNG

Title (fr)

PROCEDE D"ELABORATION D"UN REVETEMENT ANTICORROSION

Publication

EP 1770188 A4 20080723 (EN)

Application

EP 05736723 A 20050428

Priority

- JP 2005008133 W 20050428
- JP 2004140715 A 20040511

Abstract (en)

[origin: EP1770188A1] Anticorrosive coating is formed cheaply and in a short period, which facilitates its general application to marine steel structures. A steel caisson 1 is used as a cathode, an undersea member 3 arranged in seawater and opposed to the steel caisson 1 is used as anode. Direct current is passed between the electrodes so that anticorrosive coating 8 is formed on the steel caisson 1 through electrolytic reaction of the seawater, thereby attaining anticorrosion. The electric current is passed between the electrodes such that coating 7 with magnesium hydrate as dominant constituent is formed on the steel caisson 1 to have a predetermined thickness; then, supply of the electric current is stopped. Thus, anticorrosive coating 8 is formed through compositional substitution effect of substituting calcium carbonate for the magnesium hydrate in the presence of seawater.

IPC 8 full level

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CPC (source: EP US)

C25D 9/10 (2013.01 - EP US); **E02D 5/64** (2013.01 - EP US); C23F 2213/31 (2013.01 - EP US)

Citation (search report)

- [X] JP 2000342103 A 20001212 - ISHIKAWAJIMA HARIMA HEAVY IND
- [X] JP 2000064242 A 20000229 - ISHIKAWAJIMA HARIMA HEAVY IND
- See references of WO 2005108645A1

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DE DK GB NL

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