

Title (en)
CORROSION PROTECTION USING A SACRIFICIAL ANODE

Title (de)
KORROSIONSSCHUTZ MIT EINER OPFERANODE

Title (fr)
PROTECTION CONTRE LA CORROSION À L'AIDE D'UNE ANODE SACRIFICIELLE

Publication
EP 2875171 B1 20240103 (EN)

Application
EP 13820454 A 20130718

Priority

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- US 201213553498 A 20120719
- US 201213553489 A 20120719
- CA 2013050561 W 20130718

Abstract (en)
[origin: WO2014012185A1] Corrosion protection of steel in concrete is provided by locating an anode assembly including both a sacrificial anode and an impressed current anode in contact with the concrete and providing an impressed current from a power supply to the anode. The impressed current anode forms a perforated sleeve surrounding a rod of the sacrificial anode material with an activated ionically-conductive filler material between. The system can be used without the power supply in sacrificial mode or when the power supply is connected, the impressed current anode can be powered to provide an impressed current system and/or to recharge the sacrificial anode from sacrificial anode corrosion products.

IPC 8 full level
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CPC (source: EP)
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