

Title (en)

Cathodic protection using conductive polymer concrete.

Title (de)

Kathodischer Schutz unter Anwendung eines leitfähigen Polymerbetons.

Title (fr)

Protection cathodique utilisant un béton polymère conducteur.

Publication

**EP 0085582 A1 19830810 (EN)**

Application

**EP 83300579 A 19830204**

Priority

US 34642882 A 19820205

Abstract (en)

An impressed current cathodic protection system for the reinforcing steel in concrete. Current is carried by a polymer concrete (16) which contains calcined fluid petroleum coke particles; the cured polymer concrete has a resistivity of less than 5 ohm-cm, which eliminates the need for large quantities of material and excessively high voltage in the system.

IPC 1-7

**C23F 13/00**

IPC 8 full level

**C23F 13/02** (2006.01)

CPC (source: EP)

**C23F 13/08** (2013.01); **C23F 13/16** (2013.01); **C23F 2201/02** (2013.01)

Citation (search report)

- [Y] US 4255241 A 19810310 - KROON DAVID H, et al
- [Y] US 4117065 A 19780926 - TSIEN HSUE C, et al
- [A] DE 2418977 A1 19741107 - ZANEN HOLLAND WEGENBOUW [NL], et al
- [A] MATERIALS PERFORMANCE, vol. 16, no. 11, November 1977, pages 21-29;

Cited by

EP0147977A3; EP0186334A1; EP0210058A1; US4865702A; USRE46862E; DE3690002C1; EP2836624A4; WO8604099A1; US9550247B2; US10648088B2; EP0122785B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0085582 A1 19830810**

DOCDB simple family (application)

**EP 83300579 A 19830204**