

Title (en)

DEVICE FOR HEATING GROUNDS, IN PARTICULAR SPORTS GROUNDS

Title (de)

VORRICHTUNG ZUM HEIZEN VON BÖDEN, INSbesondere VON SPORTPLÄTZEN

Title (fr)

DISPOSITIF DE CHAUFFAGE DE TERRAINS, NOTAMMENT DE SPORT

Publication

EP 1782659 B1 20080514 (FR)

Application

EP 05798611 A 20050824

Priority

- FR 2005002131 W 20050824
- FR 0409107 A 20040826

Abstract (en)

[origin: US7778532B2] An installation for heating grounds, in particular sports grounds, using cables (9, 9', 9") supplied with electric current which are buried in the ground. The installation is characterized in that the surface of the grounds to be heated is divided into a number of sectors (1a, 1b, 1c, . . . , 1n), and each sector is heated by at least two heating lines (9, 9', 9") constituting each a secondary of a common transformer (3a, 3b et 3c).

IPC 8 full level

H05B 6/02 (2006.01); **H05B 3/20** (2006.01); **H05B 3/40** (2006.01)

CPC (source: EP KR NO US)

E01C 13/02 (2013.01 - NO); **E01C 13/083** (2013.01 - NO); **H05B 3/20** (2013.01 - KR); **H05B 3/40** (2013.01 - KR);
H05B 3/56 (2013.01 - EP NO US); **H05B 2203/026** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2874782 A1 20060303; FR 2874782 B1 20061208; AT E395803 T1 20080515; CA 2578116 A1 20060309; CA 2578116 C 20141230;
CN 101010988 A 20070801; CN 101010988 B 20110914; DE 602005006817 D1 20080626; EP 1782659 A1 20070509;
EP 1782659 B1 20080514; JP 2008510908 A 20080410; JP 4721462 B2 20110713; KR 20070065335 A 20070622; NO 20071554 L 20070514;
NO 339053 B1 20161107; NZ 553956 A 20090731; PL 1782659 T3 20081031; RU 2007107921 A 20081010; RU 2355132 C2 20090510;
UA 89197 C2 20100111; US 2007269193 A1 20071122; US 7778532 B2 20100817; WO 2006024797 A1 20060309

DOCDB simple family (application)

FR 0409107 A 20040826; AT 05798611 T 20050824; CA 2578116 A 20050824; CN 200580028751 A 20050824; DE 602005006817 T 20050824;
EP 05798611 A 20050824; FR 2005002131 W 20050824; JP 2007528922 A 20050824; KR 20077006551 A 20070322;
NO 20071554 A 20070323; NZ 55395605 A 20050824; PL 05798611 T 20050824; RU 2007107921 A 20050824; UA A200701918 A 20050824;
US 66079105 A 20050824