

Title (en)

Trench cutting wheel

Title (de)

Fräsrads für eine Schlitzwandfräse

Title (fr)

Roue de fraisage pour creuser des tranchées

Publication

EP 1632610 B1 20070822 (DE)

Application

EP 04020996 A 20040903

Priority

EP 04020996 A 20040903

Abstract (en)

[origin: EP1632610A1] The wheel has a milling cutter hub (10) and milling cutter sprocket holders (20, 20', 20'') arranged radially at an exterior of the hub. Mixing impellers (40, 40', 40'') are provided at the exterior of the hub. The impellers project on both sides of the holders and each impeller has a plate that runs perpendicular to the holders. The holders and the impellers are rotated by the rotation of the hub in milling operation. An independent claim is also included for a slotted wall milling cutter.

IPC 8 full level

E02D 17/13 (2006.01)

CPC (source: EP KR US)

E02D 17/13 (2013.01 - EP US); **E02F 3/205** (2013.01 - EP US); **E02F 3/241** (2013.01 - EP US); **E02F 5/00** (2013.01 - KR); **E02F 5/20** (2013.01 - KR)

Cited by

EP2685007A1; US9115481B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 1632610 A1 20060308; EP 1632610 B1 20070822; CA 2512758 A1 20060303; CA 2512758 C 20081230; CN 100582393 C 20100120; CN 1743570 A 20060308; DE 502004004735 D1 20071004; ES 2291788 T3 20080301; JP 2006070698 A 20060316; JP 4113540 B2 20080709; KR 100724332 B1 20070604; KR 20060050907 A 20060519; RU 2005123486 A 20070127; RU 2304196 C2 20070810; SG 126016 A1 20061030; US 2006070269 A1 20060406; US 7356948 B2 20080415

DOCDB simple family (application)

EP 04020996 A 20040903; CA 2512758 A 20050721; CN 200510099085 A 20050902; DE 502004004735 T 20040903; ES 04020996 T 20040903; JP 2005255023 A 20050902; KR 20050081124 A 20050901; RU 2005123486 A 20050725; SG 200505317 A 20050823; US 21602505 A 20050901