

Title (en)

COMPOSITE TOOTH FOR WORKING THE GROUND OR ROCK

Title (de)

VERBUNDWERKSTOFFZAHN ZUM BEARBEITEN VON BODEN ODER GESTEIN

Title (fr)

DENT COMPOSITE POUR LE TRAVAIL DU SOL OU DES ROCHES

Publication

EP 2329052 B1 20120314 (FR)

Application

EP 09782199 A 20090826

Priority

- EP 2009060978 W 20090826
- BE 200800518 A 20080919

Abstract (en)

[origin: US8646192B2] The present invention discloses a composite tooth for working the ground or rocks, said tooth comprising a ferrous alloy at least partially reinforced with titanium carbide according to a defined geometry, in which said reinforced portion comprises an alternating macro-microstructure of millimetric areas concentrated with micrometric globular particles of titanium carbide separated by millimetric areas essentially free of micrometric globular particles of titanium carbide, said areas concentrated with micrometric globular particles of titanium carbide forming a microstructure in which the micrometric interstices between said globular particles are also filled by said ferrous alloy.

IPC 8 full level

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CPC (source: EP KR US)

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C-Set (source: EP US)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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DOCDB simple family (publication)

WO 2010031660 A1 20100325; AT E549425 T1 20120315; AU 2009294779 A1 20100325; AU 2009294779 B2 20130509; BE 1018127 A3 20100504; BR PI0913715 A2 20151013; BR PI0913715 B1 20171121; CA 2743343 A1 20100325; CA 2743343 C 20160329; CL 2011000574 A1 20110826; CN 102159740 A 20110817; CN 102159740 B 20130605; DK 2329052 T3 20120709; EP 2329052 A1 20110608; EP 2329052 B1 20120314; ES 2383142 T3 20120618; HK 1157824 A1 20120706; KR 101633141 B1 20160623; KR 20110063467 A 20110610; MX 2011003026 A 20110412; MY 150582 A 20140130; PL 2329052 T3 20120831; PT 2329052 E 20120625; US 2011225856 A1 20110922; US 8646192 B2 20140211; ZA 201101623 B 20120829

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