

Title (en)  
Cutting bit

Title (de)  
Fräszahn

Title (fr)  
Dent de fraisage

Publication  
**EP 2687639 A1 20140122 (DE)**

Application  
**EP 12005271 A 20120718**

Priority  
EP 12005271 A 20120718

Abstract (en)  
The tooth (10) has a base portion (20) placing in a milling tooth support, and a head portion (30) provided with a cutting edge for removal of soil material. The head portion comprises a plate-like cutting blade assembly (32) whose wings (34) laterally project in relation to the base portion. The guide surface (50) is formed below the blade assembly for lateral displacement of the removed soil material. The blade assembly comprises a linear cutting edge (40) and a swept cutting edge whose apex (42) forms a top point of the tooth.

Abstract (de)  
Die Erfindung betrifft einen Fräszahn zur Bodenbearbeitung mit einem Fußbereich zum Anordnen in einer Fräszahnhalterung und einem Kopfbereich mit mindestens einer Schneide zum Abtragen von Bodenmaterial. Der Kopfbereich weist eine plattenförmige Schneidflügelanordnung auf, deren Flügel seitlich gegenüber dem Fußbereich vorstehen.

IPC 8 full level  
**E02F 9/28** (2006.01); **E02D 17/13** (2006.01)

CPC (source: EP KR US)  
**E02F 5/30** (2013.01 - KR); **E02F 9/28** (2013.01 - KR); **E02F 9/2858** (2013.01 - EP US); **E02F 9/2866** (2013.01 - EP US)

Citation (applicant)  
• DE 8715141 U1 19871223  
• EP 1780375 B1 20080213 - BAUER MASCHINEN GMBH [DE]  
• DE 202009001814 U1 20090430 - BAUER MASCHINEN GMBH [DE]

Citation (search report)  
• [XYI] US 4326347 A 19820427 - BALLINGER PAUL V  
• [XAY] US 3484844 A 19691216 - PETERSEN GERALD A  
• [XA] US 4320925 A 19820323 - BOWES JR STEPHEN M  
• [YD] DE 8715141 U1 19871223  
• [A] FR 2295179 A1 19760716 - MARAIS JACQUES [FR]  
• [A] US 3680919 A 19720801 - REAR MELVIN K, et al  
• [AD] EP 1780375 B1 20080213 - BAUER MASCHINEN GMBH [DE]

Cited by  
CN113250267A; US10676892B2; EP4134488A1; WO2017068239A1; WO2023016809A1

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2687639 A1 20140122**; CA 2820808 A1 20140118; CN 103572797 A 20140212; JP 2014020199 A 20140203; KR 20140011275 A 20140128; RU 2013132889 A 20150127; SG 196738 A1 20140213; US 2014020269 A1 20140123

DOCDB simple family (application)  
**EP 12005271 A 20120718**; CA 2820808 A 20130711; CN 201310394452 A 20130718; JP 2013146607 A 20130712; KR 20130083926 A 20130717; RU 2013132889 A 20130717; SG 2013054721 A 20130717; US 201313944738 A 20130717