

Title (en)  
COUPLING SYSTEM FOR THE TEETH OF AN EXCAVATOR

Title (de)  
VERBINDUNGSSYSTEM FÜR DIE ZÄHNE EINES BAGGERS

Title (fr)  
SYSTEME D'ACCOUPLEMENT POUR LES DENTS D'UNE EXCAVATRICE

Publication  
**EP 1411178 A1 20040421 (EN)**

Application  
**EP 01972107 A 20011002**

Priority

- ES 0100363 W 20011002
- ES 200002454 A 20001003

Abstract (en)  
[origin: US2004010949A1] This engagement system for digger teeth, in particular a tooth from which there extend in the axial direction two rectilinear lugs which, being noticeably parallel to one another, emerge cantilevered from the mouth of a central housing and complement respective rectilinear, open recesses which are provided, also in the axial direction, on an adapter member, consisting in that the straight section of each of the rectilinear lugs of the tooth member, which is concave in one part and substantially complements the convex profile of the back of the rectilinear recesses of the adapter, has two end sections which meet in a convergent fashion on an intermediate section differentiated from the afore-mentioned sections and impinge thereon at a angle of between approximately 10° and 40°.

IPC 1-7  
**E02F 9/28**

IPC 8 full level  
**E02F 9/28** (2006.01)

CPC (source: EP KR US)  
**E02F 9/28** (2013.01 - KR); **E02F 9/2833** (2013.01 - EP US); **E02F 9/2858** (2013.01 - EP US)

Citation (search report)  
See references of WO 0229167A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**US 2004010949 A1 20040122**; AU 9190101 A 20020415; BR 0114331 A 20031007; CA 2424322 A1 20030328; CN 1468340 A 20040114; EP 1411178 A1 20040421; ES 2168988 A1 20020616; ES 2168988 B1 20031201; JP 2004510900 A 20040408; KR 20030036881 A 20030509; MX PA03002893 A 20030624; WO 0229167 A1 20020411; ZA 200302463 B 20040310

DOCDB simple family (application)  
**US 38198303 A 20030401**; AU 9190101 A 20011002; BR 0114331 A 20011002; CA 2424322 A 20011002; CN 01816786 A 20011002; EP 01972107 A 20011002; ES 0100363 W 20011002; ES 200002454 A 20001003; JP 2002532728 A 20011002; KR 20037004758 A 20030403; MX PA03002893 A 20011002; ZA 200302463 A 20030328