Title (en)

TEETH FOR USE WITH EARTH MOVING EQUIPMENT

Publication

EP 0203315 A3 19870513 (EN)

Application

EP 86104482 A 19860402

Priority

- ZA 852501 A 19850403
- ZA 856769 A 19850904
- ZA 86585 A 19860127

Abstract (en)

[origin: EP0203315A2] A shanked solid tooth (10) carries a pair of fastening members (42) in a transverse slot in the shank (22). A rubber or neoprene block (44) is located between the fastening members (42) to urge them outwardly. The tooth is in use received in an "U"-section adapter (14), the fastening members are moved inwardly and they spring outwardly to hold the shank in the adapter. The rear ends (48) of the fastening members (42) are rounded and are received in recesses in an abutment member (52) that butts against the rear of the slot. To remove the shank (22), the abutment member (52) is struck transversely to the shank with a hammer blow which has the effect of breaking the fastening members (48) so that they may be removed to facilitate removal of the shank (22). A number of variations (inluding a hollow tooth) are also described.

IPC 1-7

E02F 9/28

IPC 8 full level

E02F 9/28 (2006.01)

CPC (source: EP)

E02F 9/2841 (2013.01)

Citation (search report)

- [A] US 3879867 A 19750429 - ERICSON JOHN EINAR, et al
- [A] US 3325926 A 19670620 - WILSON WILLIAM W
- [A] US 2852874 A 19580923 - TOWNLEY GRUBB NORVAL
- [A] GB 1215839 A 19701216 - DELORO UGINE CARBONE [FR]
- [A] US 3312004 A 19670404 - JOHNSON FORREST A
- [A] US 4433496 A 19840228 - JONES LARREN F [US], et al
- [A] DE 2930804 A1 19810212 - SCHWARZKOPF KARL
- [A] US 3106256 A 19631008 - MCBRIDE RICHARD A
- [A] US 2635366 A 19530421 - HOSTETTER MORGAN D

Cited by

WO2023115103A1; CN104204368A; KR20140135761A; AU2019235398B2; US8819967B2; US6216368B1; US9057176B2; US6393738B1; WO9966135A1; WO2013142130A1; US8393097B2; US8397405B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0203315 A2 19861203; **EP 0203315 A3 19870513**; **EP 0203315 B1 19910123**; DE 3677056 D1 19910228; ES 554083 A0 19870101; ES 8702556 A1 19870101; IL 78413 A0 19860831; NZ 215680 A 19880728

DOCDB simple family (application)

EP 86104482 A 19860402; DE 3677056 T 19860402; ES 554083 A 19860402; IL 7841386 A 19860403; NZ 21568086 A 19860402