

Title (en)
EXCAVATING TOOTH

Title (de)
BAGGERZAHN

Title (fr)
DENT D'EXCAVATION

Publication
EP 0681630 B1 20010411 (EN)

Application
EP 94907947 A 19940202

Priority
• US 9401169 W 19940202
• US 1246793 A 19930202

Abstract (en)
[origin: WO9418401A1] An excavating tooth (10) for use on a wide variety of excavating equipment is comprised of a point (12), an adapter (14) and a sandwich lock pin (16). The pin includes a rigid casing (54) and a plurality of independently depressible protrusions (58, 59). One of the protrusions (58) resiliently engages a face (22) defined on the nose of the adapter to tighten the connection of the point on the nose. One other of the protrusions (59) extends into an opening (50) defined by the point to secure the lock pin to the point. With respect to an external locking tooth, the opening (50) defined in the point includes a pair of bosses (155a, 155b) which define a reduced portion of the opening. The reduced portion matingly receives and holds the ends of the rigid casing of the pin. The independent locking of the pin and the mating receipt of the casing in the point opening reduces the likelihood of pin loss due to overloading of the elastomeric material, wearing of the components or jacking forces.

IPC 1-7
E02F 9/28

IPC 8 full level
E02F 9/28 (2006.01)

CPC (source: EP)
E02F 9/2825 (2013.01); **E02F 9/2841** (2013.01)

Cited by
DE102018204775A1; WO2019185587A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI NL PT SE

DOCDB simple family (publication)
WO 9418401 A1 19940818; AT E200539 T1 20010415; AU 2856395 A 19951019; AU 5738098 A 19980604; AU 6131994 A 19940829; AU 678907 B2 19970612; AU 690539 B2 19980430; AU 699365 B2 19981203; BR 9405678 A 19951121; CA 2155012 A1 19940818; CA 2155012 C 19990511; CN 1091200 C 20020918; CN 1129024 A 19960814; DE 69427079 D1 20010517; DE 69427079 T2 20010802; DK 0681630 T3 20010702; EP 0681630 A1 19951115; EP 0681630 A4 19961211; EP 0681630 B1 20010411; ES 2157251 T3 20010816; FI 111746 B 20030915; FI 953667 A0 19950801; FI 953667 A 19950927; GR 3036134 T3 20010928; JP 2721043 B2 19980304; JP H08509276 A 19961001; KR 100253438 B1 20000415; MY 110537 A 19980731; NO 953035 D0 19950801; NO 953035 L 19950929; NZ 262018 A 19961126; PT 681630 E 20010830; ZA 94702 B 19950802

DOCDB simple family (application)
US 9401169 W 19940202; AT 94907947 T 19940202; AU 2856395 A 19950815; AU 5738098 A 19980305; AU 6131994 A 19940202; BR 9405678 A 19940202; CA 2155012 A 19940202; CN 94191076 A 19940202; DE 69427079 T 19940202; DK 94907947 T 19940202; EP 94907947 A 19940202; ES 94907947 T 19940202; FI 953667 A 19950801; GR 20010400988 T 20010627; JP 51817694 A 19940202; KR 19950703195 A 19950802; MY PI19940245 A 19940202; NO 953035 A 19950801; NZ 26201894 A 19940202; PT 94907947 T 19940202; ZA 94702 A 19940202