

Title (en)
Digging tooth

Title (de)
Baggerzahn

Title (fr)
Dent d'excavatrice

Publication
EP 0649945 B1 19960417 (DE)

Application
EP 94810378 A 19940624

Priority
• CA 2163164 A 19951117
• CH 256493 A 19930830
• US 55827695 A 19951113

Abstract (en)
[origin: EP0649945A1] The digging tooth has a tooth holder (1), on one end of which a wedge-shaped tooth nose (3) is integrally formed. The tooth nose (3) is the support for a wedge-shaped tooth cap (5) in which a wedge-shaped hollow space (24) is recessed. When the tooth cap (5) is mounted, the hollow space (24) is pushed onto the tooth nose (3), which thus supports the tooth cap (5). For a good bearing arrangement, the wedge surfaces (8, 9) of the tooth nose (3) have radii of curvature convexly arched perpendicularly to the longitudinal axis (16) and continuously decreasing from the tooth edge (7) to the nose root (17). Accordingly, the wedge surfaces (25, 26) of the hollow space (24) have concavely arched radii of curvature of the same magnitude continuously decreasing from the bottom (28) to the mouth (29) of the hollow space (24). The tooth cap (5) thereby bears on the tooth nose (3) over a large area. A locking pin serves to secure the tooth cap (5). The locking pin passes through the bores (20, 34) in the tooth nose (3) and in the side faces of the tooth cap (5) and holds the same in place. <IMAGE>

IPC 1-7
E02F 9/28

IPC 8 full level
E02F 9/28 (2006.01)

CPC (source: EP US)
E02F 9/2816 (2013.01 - EP US); **E02F 9/2825** (2013.01 - EP US); **E02F 9/2833** (2013.01 - EP US)

Cited by
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