

Title (en)

TOOTH FOR ATTACHING TO AN EXCAVATOR BUCKET

Title (de)

ZAHN ZUM ANBRINGEN AN EINE BAGGERSCHAUFEL

Title (fr)

DENT À MONTER SUR UN GODET D'EXCAVATEUR

Publication

EP 3908703 B1 20230125 (DE)

Application

EP 19832065 A 20191218

Priority

- DE 202019103058 U 20190111
- DE 102019207962 A 20190529
- EP 2019085953 W 20191218

Abstract (en)

[origin: WO2020144028A1] The invention relates to a tooth (20) for attaching to an excavator bucket (12) of an excavator wheel bucket, wherein the tooth (20) is partly made of a metal matrix composite material, and the metal matrix composite material has an insert (44) which is cast into a metal matrix material (42) and which is made of a hard material. The insert (44) at least partly forms the surface of the tooth (20), and the insert (44) made of the metal matrix composite material is arranged at least in the region of the tooth head (22) and surrounds said tooth head in the region of at least two outer surfaces, preferably at least three outer surfaces (26, 28, 30). The invention additionally relates to a method for producing such a tooth (20).

IPC 8 full level

B22D 19/06 (2006.01); **B22D 19/14** (2006.01); **E02F 9/28** (2006.01)

CPC (source: EP)

B22D 19/06 (2013.01); **B22D 19/14** (2013.01); **E02F 9/285** (2013.01); **E02F 9/2866** (2013.01); **E02F 9/2883** (2013.01)

Citation (examination)

- US 5896911 A 19990427 - GEGEL GERALD A [US]
- CN 201459801 U 20100512 - UNIV JIAMUSI

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

DOCDB simple family (publication)

WO 2020144028 A1 20200716; CN 113302365 A 20210824; CN 113302365 B 20230310; EP 3908703 A1 20211117; EP 3908703 B1 20230125

DOCDB simple family (application)

EP 2019085953 W 20191218; CN 201980088495 A 20191218; EP 19832065 A 20191218