

Title (en)

STONE HEAD TO BE MOUNTED ON EXCAVATOR ARMS

Title (de)

GESTEINSKOPF FÜR DEN ANBAU AN BAGGERARMEN

Title (fr)

TETE D'EXCAVATION DE ROCHES POUR MONTAGE SUR BRAS D'EXCAVATEUR

Publication

**EP 1183440 B1 20040811 (DE)**

Application

**EP 00940006 A 20000606**

Priority

- AT 0000159 W 20000606
- AT 101699 A 19990608

Abstract (en)

[origin: WO0075488A1] The invention relates to a stone head to be mounted on the arms of tools, for example excavator arms (1). Said stone head comprises a hydraulic engine (5) and a transmission for driving exchangeable cutting drums or disks or cutting heads (2). The inventive stone head can be optionally provided with cutting heads (2, 2') of different diameters. A lubricant is supplied to the transmission from a lubricant sump in any orientation of the stone cutter heads. The drive of the inventive device comprises a hydraulic engine (5) that is arranged in the arm (1) and a bevel gear drive with a bevel pinion (8) that has a substantially parallel or coaxial axis (18) with respect to the axis of the excavator arm (1) and a bevel gear (14) that is coaxial with respect to the drive axis of the cutter heads (2). A reduction gear is optionally interposed between the drive engine (5) and the bevel pinion (8) or between the bevel gear (14) and the drive shaft (15) for the cutter heads (2).

IPC 1-7

**E21D 9/10**

IPC 8 full level

**E02F 3/20** (2006.01); **E21D 9/10** (2006.01)

CPC (source: EP)

**E02F 3/205** (2013.01); **E21D 9/1026** (2013.01); **E21D 9/1086** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0075488 A1 20001214**; AU 5509000 A 20001228; DE 50007392 D1 20040916; EP 1183440 A1 20020306; EP 1183440 B1 20040811

DOCDB simple family (application)

**AT 0000159 W 20000606**; AU 5509000 A 20000608; DE 50007392 T 20000606; EP 00940006 A 20000606