

Title (en)
ROTOR FOR A REDUCING MACHINE

Title (de)
ROTOR FÜR EINE ZERKLEINERUNGSMASCHINE

Title (fr)
ROTOR POUR BROYEUR

Publication
EP 1047499 B1 20030423 (DE)

Application
EP 98966182 A 19981201

Priority
• DE 9803529 W 19981201
• DE 19756275 A 19971218

Abstract (en)
[origin: US6412718B1] The invention relates to a rotor (1) for a reducing machine. According to the invention, the protective caps (6.1) covering the outer plates (3.1) of the rotor (1) are decoupled from the forces of the hammer axles (5) and from the forces exerted directly on the outer protective caps (6.1) by the hammers. The outer protective caps (6.1) which are exposed to the lateral forces of the hammers (4) encompass the outer edge of each of the plates (3.1) with a web (6.2) and encompass each of the inner steps (3.2) of the plate (3.1) with a projection (6.5) in the shape of a ring segment. At the same time, these outer protective caps (3.1) are mounted on the plate (3.1) with a positive fit by means of a connecting element (9) such as a hexagon socket screw. The outer protective caps (3.1) which are adjacent to the inner protective caps (6) are fixed to the outer plate (3.1) with a non-positive fit, also by means of connecting elements (9) such as hexagon socket screws (3.1). A locking dog (8) which is also fixed directly to the plate (3.1) secures and limits the axial position of the respective hammer axle (5) in the plate (3.1).

IPC 1-7
B02C 13/28

IPC 8 full level
B02C 13/28 (2006.01)

CPC (source: EP US)
B02C 13/28 (2013.01 - EP US)

Cited by
CN113974468A; WO2019201436A1; US11517909B2; EP2735370A1; WO2019201437A1; US11198131B2; WO2020057744A1

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

DOCDB simple family (publication)
US 6412718 B1 20020702; AT E238102 T1 20030515; DE 19756275 C1 19990602; DE 59808103 D1 20030528; DK 1047499 T3 20030804; EP 1047499 A1 20001102; EP 1047499 B1 20030423; ES 2198789 T3 20040201; JP 2001526113 A 20011218; JP 3991078 B2 20071017; WO 9932228 A1 19990701

DOCDB simple family (application)
US 58161300 A 20000711; AT 98966182 T 19981201; DE 19756275 A 19971218; DE 59808103 T 19981201; DE 9803529 W 19981201; DK 98966182 T 19981201; EP 98966182 A 19981201; ES 98966182 T 19981201; JP 2000525210 A 19981201