

Title (en)

AIR COOLED ROTATING DISC AND MILL ASSEMBLY FOR REDUCING MACHINES

Title (de)

LUFTGEKÜHLTE ROTIERENDE SCHEIBE UND MÜHLENANORDNUNG FÜR REDUZIERMASCHINEN

Title (fr)

ENSEMBLE BROYEUR ET DISQUE ROTATIF À REFROIDISSEMENT PAR AIR POUR MACHINES DE RÉDUCTION

Publication

**EP 3164216 A4 20180228 (EN)**

Application

**EP 14896324 A 20140703**

Priority

CA 2014000533 W 20140703

Abstract (en)

[origin: WO2016000059A1] A reducing machine having an air cooled cutting discs is disclosed. The air cooled discs have cutting surfaces on both sides. The cutting surfaces have edges which are sharpened for cutting input material when the cutting surface is facing the cutting surface of the opposed disc. When the cutting surface of the stationary disc is facing the housing, the cutting surface acts as a heat sink to air cool the stationary disc and the mill assembly in general. Air inlets in the housing lid permit air to flow over the cooling surface of the stationary plate. Air inlets in the carrying plate permit the carrying plate to channel air flow over the rotating cooling surface. A damper restricts air flow over the air cooling surfaces to control the temperature of the reducing machine, such as during start up.

IPC 8 full level

**B02C 7/08** (2006.01); **B02C 7/17** (2006.01)

CPC (source: EP)

**B02C 7/08** (2013.01); **B02C 7/17** (2013.01)

Citation (search report)

- [XA] GB 467196 A 19370614 - MAX PREISS
- [A] US 3926380 A 19751216 - MUSGROVE RONALD R, et al
- [A] JP H05345137 A 19931227 - MIKUROTETSUKU TSUU ONE KK
- See references of WO 2016000059A1

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 2016000059 A1 20160107; WO 2016000059 A8 20161229**; AU 2014399861 A1 20170112; AU 2014399861 B2 20200102; CN 106457256 A 20170222; CN 106457256 B 20190510; EP 3164216 A1 20170510; EP 3164216 A4 20180228; EP 3164216 B1 20211215

DOCDB simple family (application)

**CA 2014000533 W 20140703**; AU 2014399861 A 20140703; CN 201480080000 A 20140703; EP 14896324 A 20140703