

Title (en)

CONTROL CAGE ASSEMBLY FOR CENTRIFUGAL BLAST WHEEL MACHINE

Title (de)

STEUERUNGSKÄFIGANORDNUNG FÜR ZENTRIFUGALE SCHLEUDERRADMASCHINE

Title (fr)

ENSEMBLE CAGE DE COMMANDE DESTINÉ À UNE MACHINE À ROUE DE PROJECTION CENTRIFUGE

Publication

EP 3191259 A4 20180425 (EN)

Application

EP 14901738 A 20140909

Priority

US 2014054687 W 20140909

Abstract (en)

[origin: WO2016039727A1] A centrifugal blast wheel machine includes a wheel assembly, an impeller positioned about an axis of the wheel assembly, a motor coupled to the impeller to drive the rotation of the impeller and the wheel assembly, and a control cage assembly surrounding the impeller and secured to the wheel assembly. The control cage assembly includes a control cage and a locking ring secured to a peripheral edge of the cylindrical wall. The locking ring includes an indicator projecting radially outwardly from the locking ring, and an adaptor plate secured to the wheel assembly. The adaptor plate includes at least one recess formed therein to receive the indicator when securing the locking ring and the control cage to the adaptor plate. The adaptor plate further includes a retaining ring secured to the adaptor plate to firmly secure the locking ring and the control cage in place.

IPC 8 full level

B24C 5/06 (2006.01)

CPC (source: EP US)

B24C 5/06 (2013.01 - EP US); **B24C 5/066** (2013.01 - EP US)

Citation (search report)

- [A] US 2582702 A 19520115 - KEEFER WALTER L
- [A] US 2005107014 A1 20050519 - BARRIER RONALD G [US], et al
- See references of WO 2016039727A1

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 2016039727 A1 20160317; AU 2014406124 A1 20170323; CA 2960710 A1 20160317; CN 107073684 A 20170818; EP 3191259 A1 20170719; EP 3191259 A4 20180425; EP 3191259 B1 20190403; ES 2723356 T3 20190826; JP 2017530017 A 20171012; JP 6419316 B2 20181107; US 2017282331 A1 20171005

DOCDB simple family (application)

US 2014054687 W 20140909; AU 2014406124 A 20140909; CA 2960710 A 20140909; CN 201480082918 A 20140909; EP 14901738 A 20140909; ES 14901738 T 20140909; JP 2017514349 A 20140909; US 201415509748 A 20140909