

Title (en)

Comminuting apparatus having a frequency controlled electric motor and an epicyclic gear mechanism

Title (de)

Zerkleinerungsvorrichtung mit Drehstrom-Synchron-Motor und integrierter Umlaufgetriebestufe

Title (fr)

Désintégrateur avec motor électrique à convertisseur de fréquence monte en amont et un train épicycloïdal

Publication

**EP 1749576 B1 20071212 (DE)**

Application

**EP 06014873 A 20060718**

Priority

DE 102005037668 A 20050805

Abstract (en)

[origin: EP1749576A2] The comminution device has electric motor which is formed as a high pole three-phase synchronous motor which is electrically connected to the output of the frequency changer controlled by a control device. The gear unit is formed as an epicyclic gear unit. The three-phase synchronous motor encloses an epicyclic gear unit. The motor and the gear unit are formed together in a housing. An independent claim is also included for the drive unit.

IPC 8 full level

**B02C 18/00** (2006.01); **B02C 18/24** (2006.01); **B02C 18/38** (2006.01)

CPC (source: EP US)

**B02C 18/0084** (2013.01 - EP US); **B02C 18/24** (2013.01 - EP US)

Cited by

EP2204895A1; EP2216097A1; GB2445036A; GB2445036B; GB2453674A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1749576 A2 20070207**; **EP 1749576 A3 20070221**; **EP 1749576 B1 20071212**; AT E380593 T1 20071215; CA 2555434 A1 20070205; CA 2555434 C 20080902; DE 102005037668 A1 20070215; DE 102005037668 B4 20071025; DE 502006000217 D1 20080124; DK 1749576 T3 20080505; ES 2299123 T3 20080516; JP 2007044690 A 20070222; JP 4808564 B2 20111102; US 2008223966 A1 20080918; US 7469850 B2 20081230

DOCDB simple family (application)

**EP 06014873 A 20060718**; AT 06014873 T 20060718; CA 2555434 A 20060803; DE 102005037668 A 20050805; DE 502006000217 T 20060718; DK 06014873 T 20060718; ES 06014873 T 20060718; JP 2006209749 A 20060801; US 46107606 A 20060731