

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

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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

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