

Title (en)

GRINDING MEDIA, DEVICE AND METHOD FOR PRODUCING SAID GRINDING MEDIA AND USE THEREOF

Title (de)

MAHLKÖRPER, VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG DER MAHLKÖRPER SOWIE VERWENDUNG

Title (fr)

CORPS BROYANT, DISPOSITIF ET PROCÉDÉ DE FABRICATION DU CORPS BROYANT AINSI QUE SON UTILISATION

Publication

EP 3857573 A1 20210804 (DE)

Application

EP 19773020 A 20190917

Priority

- DE 102018216190 A 20180924
- EP 2019074847 W 20190917

Abstract (en)

[origin: WO2020064430A1] The invention relates to grinding media (20) for use in an electromechanical comminution plant and a corresponding device and a method for production of such grinding media (20). According to the invention, grinding media (20) having low grinding media wear and high product compatibility, which have corresponding magnetic and mechanical properties, are provided. Such grinding media have a magnetically hard core (6) and at least one wear-resistant coating (28) surrounding said core. According to the invention, such coated, magnetically hard grinding media (20) can be used in grinding plants for comminution, de-agglomeration and/or dispersion, in particular of substances which are required in the pharmaceutical, biotechnology and/or food industry.

IPC 8 full level

H01F 7/02 (2006.01); **B01F 13/08** (2006.01); **B01J 8/32** (2006.01); **B02C 17/16** (2006.01); **H01F 1/06** (2006.01); **H01F 1/11** (2006.01); **H01F 41/02** (2006.01)

CPC (source: EP)

B02C 17/20 (2013.01); **H01F 1/061** (2013.01); **H01F 1/112** (2013.01); **H01F 7/021** (2013.01); **H01F 41/026** (2013.01)

Citation (search report)

See references of WO 2020064430A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102018216190 A1 20200326; EP 3857573 A1 20210804; EP 3857573 B1 20230712; EP 3857573 C0 20230712; WO 2020064430 A1 20200402

DOCDB simple family (application)

DE 102018216190 A 20180924; EP 19773020 A 20190917; EP 2019074847 W 20190917