

Title (en)

Refining disc or refining disc segment

Title (de)

Refinerscheibe oder Refinerscheibensegment

Title (fr)

Disque de raffinage ou segment de disque de raffinage

Publication

EP 2508670 A1 20121010 (EN)

Application

EP 11160992 A 20110404

Priority

EP 11160992 A 20110404

Abstract (en)

The present disclosure provides a refining disc or a segment thereof, comprising a base (4) composed of a cast iron and teeth (5) composed of a metal carbide composite, which teeth protrude from the base, wherein the teeth are partially embedded in the base. A disc refiner (30) comprising a first and a second disc composed of such discs (1a,1b) or segments, said first and second discs being arranged such that the teeth of the first disc face the teeth of the second disc as well as a method of disintergrating a material using such as disc refiner are also provided.

IPC 8 full level

D21D 1/30 (2006.01); **D21D 1/00** (2006.01)

CPC (source: EP US)

D21D 1/008 (2013.01 - EP US); **D21D 1/306** (2013.01 - EP US)

Citation (applicant)

- EP 0374116 A1 19900620 - SANDVIK AB [SE]
- WO 9213651 A1 19920820 - SANDVIK AB [SE]

Citation (search report)

- [A] US 4116392 A 19780926 - ZINEZI WALDEMAR
- [A] US 5868330 A 19990209 - DODD JOHN [US], et al

Cited by

CN110088394A; CN103174049A; FR3024951A1; WO2016027019A1; EP3568520B1; EP3568520B2

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)

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DOCDB simple family (application)

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