

Title (en)
APPARATUS FOR REMOVING CONSTRUCTION MATERIAL

Title (de)
VORRICHTUNG ZUM ABTRAGEN VON BAUWERKSTOFF

Title (fr)
DISPOSITIF D'ENLÈVEMENT DE MATÉRIAU DE CONSTRUCTION

Publication
EP 3341172 B1 20190828 (DE)

Application
EP 16754459 A 20160809

Priority
• DE 102015114122 A 20150826
• EP 2016068941 W 20160809

Abstract (en)
[origin: WO2017032588A1] An apparatus for removing construction material has a removal unit (8) that is rotatable about a longitudinal centre axis and, in order to remove at least one brittle component of a construction material, has groups of beater discs (9). The beater discs (9) of each group are attached to a disc bearing spindle (15) with play in the radial direction, wherein the disc bearing spindles (15) are arranged at a radial spacing from a longitudinal centre axis of the removal unit (8). Arranged between circumferentially adjacent groups of beater discs (9) is at least one cutting base (10) that is set up to remove at least one ductile component of a construction material by cutting with at least one cutting plate (11). As a result, there is a respective removal tool for removing construction material with components having different mechanical properties, said removal tool being adapted to the different mechanical properties of the components and therefore creating efficient removal of the construction material.

IPC 8 full level
B28D 1/18 (2006.01)

CPC (source: EP KR)
B28D 1/181 (2013.01 - EP); **B28D 1/24** (2013.01 - KR)

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)
DE 102015114122 B3 20161110; EP 3341172 A1 20180704; EP 3341172 B1 20190828; ES 2754477 T3 20200417; JP 2018528097 A 20180927; JP 6703096 B2 20200603; KR 102460489 B1 20221031; KR 20180044308 A 20180502; WO 2017032588 A1 20170302

DOCDB simple family (application)
DE 102015114122 A 20150826; EP 16754459 A 20160809; EP 2016068941 W 20160809; ES 16754459 T 20160809; JP 2018507495 A 20160809; KR 20187006423 A 20160809