

Title (en)
DRESSING TOOL AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
ABRICHTWERKZEUG SOWIE EIN VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
OUTIL DE DRESSAGE ET SON PROCÉDÉ DE PRODUCTION

Publication
EP 4034335 A1 20220803 (DE)

Application
EP 20720753 A 20200408

Priority
• CH 12172019 A 20190924
• EP 2020060072 W 20200408

Abstract (en)
[origin: WO2021058142A1] The invention relates to a dressing tool which has profiled elements (11.1, 11.2, 12.1, 12.2, 12.3, 12.4) which are arranged coaxially with one another and which are each provided with a profile form, which is tapered or the like in its axial cross-section and has working surfaces (13, 14) which are provided with hard-material particles. The profiled elements (11.1, 11.2, 12.1, 12.2, 12.3, 12.4) are delimited at their outer circumference by at least one generated surface (23, 24). The dressing tool (10) comprises six profiled elements (11.1, 11.2, 12.1, 12.2, 12.3, 12.4) arranged coaxially with one another and a one-part or two-part metallic main body (19) for the entire dressing tool (10) or for a particular generated surface (23, 24). The profile forms with the hard-material particles of the profiled elements (11.1, 11.2, 12.1, 12.2, 12.3, 12.4) are produced here by a negative process with a casting compound (15) applied to the particular main body (19). This dressing tool can thus be used for a profiling of grinding worms extremely productively and precisely and also such that they can be corrected.

IPC 8 full level
B24B 53/07 (2006.01); **B24B 53/053** (2006.01); **B24B 53/06** (2006.01); **B24B 53/075** (2006.01); **B24B 53/12** (2006.01); **B24D 18/00** (2006.01)

CPC (source: CH EP KR US)
B24B 53/053 (2013.01 - KR); **B24B 53/07** (2013.01 - KR); **B24B 53/075** (2013.01 - CH EP KR US); **B24B 53/12** (2013.01 - CH EP KR US); **B24D 18/00** (2013.01 - CH US); **B24D 18/0009** (2013.01 - KR); **B24D 18/0018** (2013.01 - EP)

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)
CH 716096 B1 20201113; BR 112022001928 A2 20220503; EP 4034335 A1 20220803; JP 2022548497 A 20221121;
KR 20220062502 A 20220517; MX 2022001214 A 20220503; US 2022314398 A1 20221006; WO 2021058142 A1 20210401

DOCDB simple family (application)
CH 12172019 A 20190924; BR 112022001928 A 20200408; EP 2020060072 W 20200408; EP 20720753 A 20200408;
JP 2022512390 A 20200408; KR 20227006855 A 20200408; MX 2022001214 A 20200408; US 202017753443 A 20200408