

Title (en)
GEOTHERMAL DRILLING WEIGHT

Title (de)
GEOTHERMISCHES BOHRGEWICHT

Title (fr)
POIDS DE FORAGE GÉOTHERMIQUE

Publication
EP 4336122 A1 20240313 (EN)

Application
EP 22194212 A 20220906

Priority
EP 22194212 A 20220906

Abstract (en)
A geothermal ground source drilling weight 300 comprising an article 50 that is made from metal fragments that are combined. The metal fragments may be compressed together to form the weight. The metal fragments may comprise swarf from known metal working processes. The drilling weight may comprise several articles. The article(s) may be enclosed in a tube 410 or encased in resin 510. The drilling weight may have an attachment point 20, 30 at one or both ends.

IPC 8 full level
F24T 10/10 (2018.01)

CPC (source: EP)
F24T 10/10 (2018.05); **E21B 19/089** (2013.01); **F24T 2010/50** (2018.05); **F24T 2010/53** (2018.05)

Citation (search report)

- [X] DE 202008007558 U1 20080821 - BECKERT BRUNNENTECHNIK GMBH [DE]
- [X] EP 2034254 A2 20090311 - KOPP ERWIN [AT]
- [I] US 2005211437 A1 20050929 - MCNAIR EDWARD F [US], et al
- [X] DE 102008057245 A1 20091029 - FRIATEC AG [DE]
- [X] EP 2426078 A2 20120307 - D 3 INGENIERA Y DESARROLLO S L [ES]
- [X] EP 2955054 B1 20160601 - SIC LAZARO S L [ES]
- [X] EP 1369289 A1 20031210 - ROEHL HANS HEINRICH [AT]
- [X] CN 104590053 A 20150506 - NINGBO HOWSHUN KECHUANG MACHINERY MFG CO LTD
- [X] CN 101700745 A 20100505 - FIRST ENGINEERING CO LTD OF CH, et al
- [X] CN 1390730 A 20030115 - WANG XISHUN [CN]
- [A] CN 217076674 U 20220729 - CHINA RAILWAY CONSTRUCTION ELECTRIFICATION BUREAU GROUP SOUTH ENG CO LTD

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4336122 A1 20240313; WO 2024052327 A1 20240314

DOCDB simple family (application)
EP 22194212 A 20220906; EP 2023074287 W 20230905