

Title (en)
IMPACT ABSORBER FOR ROCK BOLT

Title (de)
AUFPRALLDÄMPFER FÜR GEBIRGSANKER

Title (fr)
AMORTISSEUR DE CHOCS POUR BOULON D'ANCRAGE

Publication
EP 3530878 B1 20230607 (EN)

Application
EP 18158247 A 20180222

Priority
EP 18158247 A 20180222

Abstract (en)
[origin: EP3530878A1] A self-drilling rock bolt (1) for drilling a drill hole (2) in a material to be drilled (3) using a percussive rock drill and reinforcing the material surrounding the drill hole is provided. The rock bolt (1) comprises drilling means (4), a rock bolt body (5) for bolting the drill hole, an end anchor element (9) provided at the drilling end (7) of the rock bolt provided with anchor means for engaging with the material of the drill hole walls, and an impact absorber (26) arranged between the rock bolt body and the end anchor element to dampen the impact from percussive drilling.

IPC 8 full level
E21D 21/00 (2006.01)

CPC (source: EP)
E21D 21/0033 (2013.01); **E21D 21/0053** (2016.01)

Citation (examination)
• US 2007012482 A1 20070118 - MOCIVNIK JOSEF [AT], et al
• US 2009133933 A1 20090528 - KARPELLUS WALTER [AT], et al

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)
EP 3530878 A1 20190828; EP 3530878 B1 20230607; EP 3530878 C0 20230607; AU 2018410544 A1 20200723; AU 2018410544 B2 20240516; WO 2019161956 A1 20190829

DOCDB simple family (application)
EP 18158247 A 20180222; AU 2018410544 A 20181204; EP 2018083462 W 20181204