

Title (en)
Device for crushing a material

Title (de)
Vorrichtung zum Zerkleinern eines Materials

Title (fr)
Dispositif pour broyer un matériau

Publication
EP 2781266 A1 20140924 (EN)

Application
EP 14000980 A 20140317

Priority
SI 201300065 A 20130318

Abstract (en)
The invention refers to a device for crushing a material, especially coal. The device of the invention solves the technical problem how to provide a compact construction of a device for crushing a material that will be devoid of projecting parts and will at the same time be safe from fire and explosion. The device for crushing a material comprises a steel housing (2), a chain conveyor (5), a crusher roller (6) with crusher blades (8), an electric motor (10), a control unit for controlling the drive of the device, and a planetary gear (22). The electric motor (10) and the planetary gear (22) are arranged in the interior of the crusher roller (6). Rotational movement is transferred from the drive shaft (11) with a pinion (12) to the sun gear (13) and from there to planetary gears (14) and further to the crusher roller with the annular gear (9) with internal toothing. The drive shaft of the electric motor is formed with weakened area (15).

IPC 8 full level
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CPC (source: EP)
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Citation (applicant)
GB 922986 A 19630403 - ADELE OELLRICH

Citation (search report)
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• [Y] GB 1059694 A 19670222 - MINING ENGINEERING COMPANY MEC
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