

Title (en)
Continuous excavating apparatus.

Title (de)
Kontinuierlich baggerndes Gerät.

Title (fr)
Appareil pour excaver continuellement.

Publication
EP 0028930 A1 19810520 (EN)

Application
EP 80303996 A 19801107

Priority
US 9302079 A 19791109

Abstract (en)
For mining work the apparatus has a main frame (10) with heavy side walls (12) and (14) joined by transverse braces (18) to form a box-like configuration. The frame (10) is carried on endless tracks and acts as a counterweight to the forces developed at the excavating buckets (74). These are carried on a boom (36) swingable about vertical pivot (24) and horizontal pivot (80) by rams (48) and (50). The buckets (74) have hinge pins 68 whose enlarged ends engage sprockets (58) and (60) for supporting and driving the bucket chain. The buckets have replaceable excavating teeth (not shown).

IPC 1-7
E21C 27/30

IPC 8 full level
E21C 27/30 (2006.01); **E21C 31/10** (2006.01); **E21C 35/20** (2006.01)

CPC (source: EP)
E21C 27/30 (2013.01); **E21C 31/10** (2013.01); **E21C 35/20** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0108430 A1 19840516; EP 0108430 B1 19860730; AT E8167 T1 19840715; AU 4145785 A 19850822; AU 546996 B2 19851003; AU 570792 B2 19880324; AU 6412980 A 19810514; CA 1157489 A 19831122; DE 3068371 D1 19840802; DE 8029824 U1 19810409; EP 0028930 A1 19810520; EP 0028930 B1 19840627; FR 2478159 A3 19810918; FR 2478159 B3 19820702; FR 2493369 A3 19820507; FR 2493369 B3 19821126; IT 8023302 V0 19801107; IT 8023303 V0 19801107

DOCDB simple family (application)
EP 83201298 A 19801107; AT 80303996 T 19801107; AU 4145785 A 19850419; AU 6412980 A 19801106; CA 364172 A 19801106; DE 3068371 T 19801107; DE 8029824 U 19801107; EP 80303996 A 19801107; FR 8023933 A 19801107; FR 8119989 A 19811023; IT 2330280 U 19801107; IT 2330380 U 19801107