

Title (en)  
PARTIAL CUTTING MACHINE

Title (de)  
TEILSCHNITTMASCHINE

Title (fr)  
MACHINE DE DECOUPAGE PARTIEL

Publication  
**EP 0891469 A1 19990120 (DE)**

Application  
**EP 97913973 A 19970402**

Priority  
• AT 9700066 W 19970402  
• DE 29606084 U 19960402

Abstract (en)  
[origin: WO9737105A1] The invention concerns a partial cutting machine for use as a working or advance heading machine, the machine having a cutting arm which comprises a rotating cutting head, in particular a transverse cutting head, and is mounted so as to be vertically and laterally pivotable on a pivot mechanism of the moving gear frame provided with tracklaying gear. The machine is provided with a loading table, which is disposed on the moving gear frame at the front below the cutting arm, and a central conveyer which extends from the loading table between the moving gear tracks to the rear of the machine where it forms a vertically and laterally pivotable extending ejector arm. The moving gear frame is divided in the longitudinal direction and consists of frame parts which can be pivoted relative to one another in the lateral direction and of which the front part comprises the tracklaying gear, with the pivot arm and the cutting arm, and the loading table, whilst the rear frame part forms the carrier of the extending ejector arm of the conveyor, said arm being laterally pivotable with the rear frame part. The rear frame part is connected to the front frame part via a pivot connection so that it can be pivoted laterally and drawn thereafter. The pivot mechanism with the cutting arm (12) is guided in an axially displaceable manner on the front frame part (1) in the direction of the working face and in the opposite direction by means of an advance cylinder device (20). The pivot connection (3) is disposed between the two moving gear frame parts (1, 2) at a spacing behind the tracklaying gear (4) of the front frame part (1). The front frame part (1) is provided with claws (7, 11) which relieve the load on the tracklaying gear (4) during cutting and can be extended towards the worked stratum (10).

IPC 1-7  
**E21C 27/24**; **E21D 9/10**; **E21C 35/22**; **E21D 9/12**

IPC 8 full level  
**E21C 27/24** (2006.01); **E21C 35/22** (2006.01); **E21D 9/10** (2006.01); **E21D 9/12** (2006.01)

CPC (source: EP)  
**E21C 27/24** (2013.01); **E21D 9/1026** (2013.01)

Citation (search report)  
See references of WO 9737105A1

Cited by  
CN104265316A; CN103643953A; CN103821531A; WO2020052012A1

Designated contracting state (EPC)  
AT DE ES FI IT

DOCDB simple family (publication)  
**WO 9737105 A1 19971009**; AT E186098 T1 19991115; CA 2250766 A1 19971009; DE 29606084 U1 19960620; DE 59700631 D1 19991202; EP 0891469 A1 19990120; EP 0891469 B1 19991027

DOCDB simple family (application)  
**AT 9700066 W 19970402**; AT 97913973 T 19970402; CA 2250766 A 19970402; DE 29606084 U 19960402; DE 59700631 T 19970402; EP 97913973 A 19970402