

Title (en)

METHOD FOR CONTROLLING THE MOVEMENT OF A THREE-Dimensionally PIVOTABLE SHEARER ARM OF A PARTIAL SECTION SHEARING MACHINE, AND DEVICE FOR CARRYING OUT THE METHOD

Publication

EP 0221886 B1 19900919 (DE)

Application

EP 86890286 A 19861023

Priority

AT 317185 A 19851104

Abstract (en)

[origin: US4770469A] A method and apparatus for controlling the movement of a universally swivellable cutting arm of a partial cut cutting machine of the kind including a first hydraulic drive for lifting and lowering the cutting arm in order to preselect the depth of cut and a further hydraulic drive for swivelling the cutting arm transversely relative to the direction of lifting movement and lowering movement, wherein the time interval elapsed for actuating one of the drives and/or the volumetric amount of pressurized fluid supplied to each of the drives is measured and wherein, in dependence on the desired preselected depth of cut and after having attained the time interval of actuating one drive required for the preselected depth of cut or after having attained the volumetric amount for the displacement in direction of the preselected depth of cut, supply of pressurized fluid to the first drive is closed and only the supply of pressurized fluid to the further drive is released.

IPC 1-7

E21C 35/24; E21D 9/10

IPC 8 full level

E21D 9/10 (2006.01)

CPC (source: EP US)

E21D 9/108 (2013.01 - EP US)

Cited by

AT406892B; CN102383796A; US6062650A; US8690262B2; WO2009100469A1; WO9803770A1; WO9624753A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

EP 0221886 A1 19870513; EP 0221886 B1 19900919; AT 383867 B 19870910; AT A317185 A 19870115; AU 584250 B2 19890518; AU 6466486 A 19870507; CA 1278496 C 19910102; CN 1007441 B 19900404; CN 86107156 A 19870610; DD 252412 A5 19871216; DE 3674334 D1 19901025; ES 2017644 B3 19910301; IN 166323 B 19900414; PL 262156 A1 19870824; US 4770469 A 19880913; YU 183786 A 19880430; ZA 868246 B 19870624

DOCDB simple family (application)

EP 86890286 A 19861023; AT 317185 A 19851104; AU 6466486 A 19861103; CA 522077 A 19861103; CN 86107156 A 19861101; DD 29585686 A 19861103; DE 3674334 T 19861023; ES 86890286 T 19861023; IN 761CA1986 A 19861020; PL 26215686 A 19861031; US 92617286 A 19861103; YU 183786 A 19861029; ZA 868246 A 19861029