

Title (en)

PROCESS FOR EXACTLY POSITIONING THE TILTING OUTFIT MOUNTED ON THE DESCENDING LIFT FRAME OF MOVABLE CONSTRUCTION MACHINES

Title (de)

VERFAHREN UND EINRICHTUNG ZUR LAGEGERECHTEN POSITIONIERUNG DER AN EINEM ABWÄRTS SICH BEWEGENDEN HUBGERÜST EINER MOBILEN ARBEITSMASCHINE KIPPBAR ANGEORDNETEN ARBEITSAUSRÜSTUNG

Title (fr)

PROCEDE ET DISPOSITIF DE POSITIONNEMENT PRECIS D'ACCESSOIRES BASCULANTS MONTES SUR DES CHASSIS DE LEVAGE A MOUVEMENT DESCENDANT D'ENGINS DE CHANTIER

Publication

**EP 0770163 B1 19990526 (DE)**

Application

**EP 95926860 A 19950712**

Priority

- DE 4424621 A 19940713
- DE 4437300 A 19941019
- EP 9502721 W 19950712

Abstract (en)

[origin: US5784812A] PCT No. PCT/EP95/02721 Sec. 371 Date Jan. 10, 1997 Sec. 102(e) Date Jan. 10, 1997 PCT Filed Jul. 12, 1995 PCT Pub. No. WO96/02707 PCT Pub. Date Feb. 1, 1996A method for the positionally correct placement of an operating equipment including a scoop tiltably disposed on a descending lift frame of a mobile machine including a wheeled loader. An automatic positioning device is actuated thereby activating a first magnetic valve utilizing a logical switching device cooperating with the automatic positioning device for switching a tilting piston of a control slide operatively connected to a tilting cylinder and to the lift frame into a position in which the control slide releases an oil flow to the tilting cylinder. The oil flow is delivered utilizing a controlled pump. A plurality of measurements is performed of a traveled distance of a piston rod of the tilting cylinder at predeterminable places during a continued extension of the piston rod thereby obtaining distance measurement values. A first signal is triggered in response to a first one of the distance measurement values for activating a second magnetic valve utilizing the logical switching device for moving the tilting piston into a position where a predeterminable reduced oil flow is released to the tilting cylinder. During a slowed-down, extending movement of the piston rod, a second signal is triggered in response to a second one of the measurement values for deactivating the logical switching device with respect to the first magnetic valve and the second magnetic valve and for interrupting an oil flow to the tilting cylinder.

IPC 1-7

**E02F 3/43**; **E02F 9/22**; **F15B 11/04**; **F15B 21/08**

IPC 8 full level

**E02F 3/43** (2006.01); **E02F 9/22** (2006.01)

CPC (source: EP US)

**E02F 3/432** (2013.01 - EP US); **E02F 3/433** (2013.01 - EP US); **E02F 9/2232** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE FR LI NL SE

DOCDB simple family (publication)

**US 5784812 A 19980728**; AT E180529 T1 19990615; EP 0770163 A1 19970502; EP 0770163 B1 19990526; WO 9602707 A1 19960201

DOCDB simple family (application)

**US 66643697 A 19970110**; AT 95926860 T 19950712; EP 9502721 W 19950712; EP 95926860 A 19950712