

Title (en)

CONTROL FOR THE CLUTCH AND/OR THE BRAKE OF A PRESS

Publication

EP 0051684 B1 19840215 (DE)

Application

EP 80106698 A 19801031

Priority

EP 80106698 A 19801031

Abstract (en)

[origin: ES8206273A1] A control arrangement for a clutch and/or brake of a press, with the control arrangement including at least one of a clutch cylinder piston unit and a brake cylinder piston unit which opposes braking forces until a desired rotational speed is reached. The cylinder-piston units may be operationally controlled by at least one valve before the desired rotational speed is reached. The control arrangement is driven by at least two different pressures, with one of the pressures being at least approximately equal to a maximum clutch pressure or at least approximately equal to a pressure release, and the other pressure being a partial pressure which lies above a minimum response pressure of the clutch or below a counter pressure which triggers a minimal response pressure of the brake. After an intermediate pressure is reached which, in the case of a clutch operation, lies between a value above the partial pressure and the clutch pressure, and with a brake operation, between a value below the partial pressure and a pressure release and, during a clutching and braking operation the pressure may still be switched, prior to a reaching of the desired rotational speed, to the partial pressure for a time period that it takes to obtain the desired rotational speed. The control arrangement may also be utilized in a combination clutch-brake construction with the respective pressures being set in the control arrangements on the basis of a program control which is operable in dependence upon operating parameters of the press.

IPC 1-7

B30B 15/14

IPC 8 full level

B30B 15/14 (2006.01)

CPC (source: EP US)

B30B 15/142 (2013.01 - EP US)

Cited by

EP0757761A4; DE102006050300A1; DE102006050300B4; WO8600849A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0051684 A1 19820519; EP 0051684 B1 19840215; AT E6231 T1 19840315; BR 8106922 A 19820713; DE 3066630 D1 19840322; ES 506709 A0 19820816; ES 8206273 A1 19820816; US 4580674 A 19860408

DOCDB simple family (application)

EP 80106698 A 19801031; AT 80106698 T 19801031; BR 8106922 A 19811027; DE 3066630 T 19801031; ES 506709 A 19811030; US 66425484 A 19841024