Title (en)

FEED MECHANISM FOR A FORMING DEVICE, ESPECIALLY A COLD FORMING DEVICE SUCH AS A ROTARY SWAGING DEVICE

Title (de)

VORSCHUBEINRICHTUNG FÜR EINE UMFORMUNGSVORRICHTUNG, INSBESONDERE EINE KALTUMFORMUNGSVORRICHTUNG WIE EINE RUNDKNETVORRICHTUNG

Title (fr)

COMMANDE DE SAUT POUR DISPOSITIF DE FORMAGE, NOTAMMENT POUR DISPOSITIF DE FORMAGE A FROID TEL QU'UNE PETRISSEUSE

Publication

EP 1017519 B1 20020508 (DE)

Application

EP 98958222 A 19980926

Priority

- DE 19742819 A 19970927
- EP 9806121 W 19980926

Abstract (en)

[origin: DE19742819A1] The invention relates to a feed mechanism for a forming device, especially a cold forming device such as a rotary swaging device in which a work piece (2) to be processed is movable by means of a reducing device (20). The reducing device (20) contains tool segments (22a-22d) which process the work piece (2). Said tool segments are periodically movable with a working frequency from a closed position to an open position. In the closed position, the tool segments (22a-22d) are in working contact with the work piece (2) which is to be processed. According to the invention, a sensor unit (30) is provided which can determine the position of the tool segments (22a-22d) of the reducing device (20). The sensor unit (30) generates a sensor signal (S) which characterizes the position of the tool segments (22a-22d) and can be fed to an evaluating unit (40). The evaluating unit (40) generates a control signal (V) which controls the feed mechanism (10), said control signal being independent of the sensor signal (S) fed to said evaluating unit. The feed mechanism (10) can be controlled by the control signal (V) such that a minimal feed can be generated during the closed position of the tool segments (22a-22d) and a maximum feed can be generated during the open position of the tool segments (22a-22d).

IPC 1-7

B21J 13/08; B21J 13/10; B21J 7/14

IPC 8 full level

B21J 7/14 (2006.01); **B21J 13/08** (2006.01); **B21J 13/10** (2006.01)

CPC (source: EP)

B21J 7/145 (2013.01); **B21J 13/08** (2013.01); **B21J 13/10** (2013.01)

Cited by

CN112642980A

Designated contracting state (EPC)

ES FR GB IT

DOCDB simple family (publication)

DE 19742819 A1 19990415; **DE 19742819 C2 19990819**; EP 1017519 A1 20000712; EP 1017519 B1 20020508; ES 2177096 T3 20021201; WO 9916563 A1 19990408

DOCDB simple family (application)

DE 19742819 A 19970927; EP 9806121 W 19980926; EP 98958222 A 19980926; ES 98958222 T 19980926