

Title (en)  
GRIPPER FEEDING DEVICE FOR PRESSES OR THE LIKE

Publication  
**EP 0125367 B1 19870916 (DE)**

Application  
**EP 83710024 A 19830504**

Priority  
EP 83710024 A 19830504

Abstract (en)  
[origin: US4577791A] The invention relates to a gripper or clamp feed advance mechanism for sheet metal bands or profiled forms on presses, having two feed advance clamps or grippers on the feed-side of the press and having a spacing therebetween in the direction of adjustment, whereby the feed advance and return stroke may be carried out between two press strokes. The purpose of the invention is a feed advance mechanism which makes possible the easiest adjustment of the feed advance path and the direction as well as of the spacing between the feed advance clamps or grippers, with a minimal feed advance force and practically any desired material dimension. It is intended that the spacing between the feed advance clamps or grippers (5) which determines the advance and return stroke, is achieved synchronously through the adjustment of the crank radii (13) of the crank drive (10, 21, 23) by a common adjustment member (12). The drive of the feed advance clamps or grippers (5) which are pre-adjusted to a certain spacing therebetween, is provided by a linear driving cylinder (15), and by a uniform rotational motion of the crank disks (10), which are each connected by crank rocker arms (23) to a respective carriage (4). This drive is converted into a sinusoidal motion by the crank drives on both sides.

IPC 1-7  
**B21D 43/11**

IPC 8 full level  
**B21D 43/11** (2006.01)

CPC (source: EP US)  
**B21D 43/11** (2013.01 - EP US)

Cited by  
CN102489623A; EP0321602A1; US4925078A

Designated contracting state (EPC)  
CH DE FR GB IT LI SE

DOCDB simple family (publication)  
**EP 0125367 A1 19841121; EP 0125367 B1 19870916**; DE 3373635 D1 19871022; JP H0438494 B2 19920624; JP S6037230 A 19850226; US 4577791 A 19860325

DOCDB simple family (application)  
**EP 83710024 A 19830504**; DE 3373635 T 19830504; JP 8853884 A 19840504; US 60472984 A 19840427