

Title (en)  
METHOD OF USING A TUBE BENDING MACHINE

Publication  
**EP 0513864 A3 19930113 (DE)**

Application  
**EP 92113248 A 19870324**

Priority  
• DE 3616302 A 19860514  
• EP 87104356 A 19870324

Abstract (en)  
[origin: US4888971A] A pipe bending machine having a support, a bending template, a clamping jaw displaceable relative to the bending template, a clamping member for a pipe, and clamping bodies each provided in a respective one of the bending templates and the clamping jaw and movable relative to one another to an operative position, one of the clamping bodies havign a clamping surface which is provided with different contours for portions of a pipe to be clamped, while the other of the clamping bodies being provided with a clamping surface having only one contour corresponding to the portion of the pipe to be clamped so that the portion of the pipe to be clamped is engaged over its whole surface at the respective side over an angular distance of 180 DEG .

IPC 1-7  
**B21D 7/024**

IPC 8 full level  
**B21D 7/02** (2006.01); **B21D 7/024** (2006.01)

CPC (source: EP US)  
**B21D 7/021** (2013.01 - EP US); **B21D 7/024** (2013.01 - EP US)

Citation (search report)  
• [X] DE 3033950 A1 19820513 - LANG THOMAS PETER DIPL WIRTSCH  
• [A] US 3394571 A 19680730 - ROSE WILLIAM C  
• [A] GB 2082949 A 19820317 - SCHWARZE RIGOBERT  
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• [AD] DE 1297064 B 19690612 - HILGERS MASCHINEN U APP BAUANS

Cited by  
CN110421030A; US10150154B2

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**EP 0245623 A2 19871119; EP 0245623 A3 19900328; EP 0245623 B1 19931013**; CA 1294196 C 19920114; DE 3616302 A1 19871119; DE 3751861 D1 19960829; DE 3787754 D1 19931118; EP 0513864 A2 19921119; EP 0513864 A3 19930113; EP 0513864 B1 19960724; US 4888971 A 19891226

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**EP 87104356 A 19870324**; CA 537067 A 19870513; DE 3616302 A 19860514; DE 3751861 T 19870324; DE 3787754 T 19870324; EP 92113248 A 19870324; US 24645388 A 19880919