

Title (en)
UNIVERSAL BENDING APPARATUS

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Application
EP 90109222 A 19900516

Priority
DE 3915855 A 19890516

Abstract (en)
[origin: EP0398280A2] The invention discloses a universal bending apparatus comprising a baseplate with a die support arranged on the baseplate, on cantilever trusses, in a manner corresponding to the contour and forming plane of the profile to be bent, the profile to be bent being bent in the manner of a bending form around a profile support projecting from the die support by means of forming rollers. <??>To allow universal application of the bending apparatus without the necessity for complicated alterations to bending dies, provision is made for the cantilever trusses to be arranged in a manner which allows adjustment and setting on the baseplate and furthermore for clamping elements to be provided on the cantilever trusses, the said clamping elements clamping the die support and at the same time bearing the die support and being vertically adjustable as desired.

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B21D 7/06 (2006.01); **B21D 11/10** (2006.01)

CPC (source: EP US)
B21D 7/06 (2013.01 - EP US)

Citation (search report)
• [Y] US 4292834 A 19811006 - TISHLER ALBERT, et al
• [Y] DE 1261871 B 19680229 - BRUENINGHAUS GMBH STAHLWERKE
• [A] US 2347575 A 19440425 - NEVERDAL HAROLD E
• [A] US 4117707 A 19781003 - KOLESAR MARK, et al
• [A] US 4450708 A 19840529 - KING JOSEPH S [US]
• [A] GB 1037670 B

Cited by
US5131254A; WO9212812A1; WO2009083609A3; EP0569536B1

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