

Title (en)  
CONDUCTOR GUIDE FORMING MACHINE

Publication  
**EP 0462719 A3 19920115 (EN)**

Application  
**EP 91304989 A 19910603**

Priority  
US 53477190 A 19900607

Abstract (en)  
[origin: EP0462719A2] A conductor guide forming machine to flare the end of a pipe (46) outwardly to form a conductor guide has a heating device (22) movably mounted on a base (12) to cause induction heating of the end of the pipe (46) to be flared outwardly. A tool carriage (14) having a forming tool (16) rotatably mounted thereon is moved by a hydraulic cylinder (58) mounted on the base (12) and attached to the tool carriage (14) to insert angled rollers of the forming tool (16) into and against the end of the pipe (46) to be flared. A drive motor (50) mounted on the tool carriage (14) rotates the forming tool (16) simultaneously with movement of the rollers into the pipe (46) to flare the end thereof. <IMAGE>

IPC 1-7  
**B21D 41/02**; **B21D 51/10**

IPC 8 full level  
**B21D 39/10** (2006.01); **B21D 41/02** (2006.01); **B29C 57/04** (2006.01); **E21B 15/02** (2006.01); **E21B 17/01** (2006.01); **H05B 6/10** (2006.01)

CPC (source: EP KR)  
**B21D 41/02** (2013.01 - EP); **E21B 7/12** (2013.01 - KR)

Citation (search report)

- [X] FR 1162924 A 19580918
- [Y] FR 2233112 A1 19750110 - MR HOVE MICHEL [FR]
- [A] US 2215789 A 19400924 - HARRISON JOHN K M
- [A] US 4693105 A 19870915 - LEE JR ROY [US]
- [A] US 3610016 A 19711005 - BULTMAN FREDERICK H
- [A] EP 0314936 A2 19890510 - BLM SPA [IT]

Cited by  
CN114101512A; FR2730434A1; AU702815B2; US5806166A; CN114851533A; US5956987A; KR101050361B1; US11819902B2; US11633775B2; WO9625253A1; WO2011149227A3; US10000007B2; US10946576B2; US8517715B2; US8763439B2; US9914260B2; US11596999B2; US11779990B2; US9862137B2; US9993961B2; US10926451B2; US11648727B2; US12023849B2

Designated contracting state (EPC)  
ES FR GB IT

DOCDB simple family (publication)  
**EP 0462719 A2 19911227**; **EP 0462719 A3 19920115**; **EP 0462719 B1 19950802**; AU 629472 B2 19921001; AU 7525291 A 19911212; BR 9102100 A 19911224; CA 2044128 A1 19911208; CA 2044128 C 19951010; ES 2075353 T3 19951001; JP H04228233 A 19920818; JP H07102416 B2 19951108; KR 920001060 A 19920129; KR 950009761 B1 19950828; MY 111160 A 19990930; NO 302309 B1 19980216; NO 911724 D0 19910502; NO 911724 L 19911209; SA 91120222 B1 20040712

DOCDB simple family (application)  
**EP 91304989 A 19910603**; AU 7525291 A 19910418; BR 9102100 A 19910521; CA 2044128 A 19910607; ES 91304989 T 19910603; JP 15747491 A 19910603; KR 910009272 A 19910605; MY P119910726 A 19910429; NO 911724 A 19910502; SA 91120222 A 19911112