Title (en)
METHOD AND DEVICE FOR PRODUCING STRAIGHT BEAD WELDED PIPES FROM FLAT SHEET METAL BLANKS

Title (de)
VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN VON LÄNGSNAHTGESCHWEISSTEN ROHREN AUS EBENEN BLECHZUSCHNITTEN

Title (fr)
PROCEDE ET DISPOSITIF POUR LA PRODUCTION DE TUBES A CORDONS DE SOUDURE LONGITUDINAUX A PARTIR DE DECOUPES DE TOLE

Publication
EP 1089835 A1 20010411 (DE)

Application
EP 99931143 A 19990623

Priority
• DE 19827798 A 19980623
• EP 9904338 W 19990623

Abstract (en)
[origin: US6494360B1] An apparatus to produce straight bead welded tubes from flat sheet metal blanks with two parallel longitudinal edges includes two form tool halves. The two form tool halves have outer cylindrical half shells borne by a tool support, and are disposed laterally inverted in relation to one another. They are moved towards one another and out of an opened receiving position for the sheet metal blanks into a closed position, in which the two longitudinal edges are held together by the two form tool halves. The apparatus also includes a welding device, which moves over the two form tool halves along the two longitudinal edges retained in a welding position. The two form tool halves have cylindrical internal mandrel halves which are fixedly associated with the outer cylindrical half shells and which cooperate with the outer cylindrical half shells to produce form gaps for insertion of the sheet metal blanks.

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CPC (source: EP US)
B21C 37/0815 (2013.01 - EP US); **B21C 37/16** (2013.01 - EP US); **B21D 5/10** (2013.01 - EP US)

Citation (search report)
See references of WO 9967037A1

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US 6494360 B1 20021217; AT E214977 T1 20020415; BR 9911447 A 20010320; CA 2335517 A1 19991229; CA 2335517 C 20040824; DE 19827798 A1 19991230; DE 59901077 D1 20020502; EP 1089835 A1 20010411; EP 1089835 B1 20020327; ES 2175995 T3 20021116; WO 9967037 A1 19991229

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