

Title (en)

IMPROVEMENTS RELATING TO TOOLS FOR COLD FLOW FORMING OF ASSEMBLY POINTS IN SHEET METAL.

Title (de)

VERBESSERUNGEN AN WERKZEUGEN ZUR ERZEUGUNG VON BEFESTIGUNGSPUNKTEN AN BLECHEN DURCH KALTFORMUNG.

Title (fr)

PERFECTIONNEMENTS AUX OUTILS POUR LA REALISATION DE POINTS D'ASSEMBLAGE DE TOLES PAR FLUAGE A FROID.

Publication

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Application

EP 94916204 A 19940429

Priority

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- FR 9305297 A 19930504

Abstract (en)

[origin: WO9425196A1] Improvements relating to tools for cold flow forming of assembly points in sheet metal. The tools comprise a first tool (1) with a punch (6) and a blank holder (5) and a second tool (10) with a guiding surface (16) from which extends a finger (14) terminated by an anvil (15), a die (20) formed by at least two shells (18), each of said shells (18) having a shoulder (21) slidably mounted on the guiding surface (16) and in contact with the lateral surface of the finger (14) through resilient means (26), the guiding means of the sections (18) being provided together with a stop restricting the separation of the shells (18) during cold flow. The improvements are characterized in that the stop consists of two half sections (30) elastically secured to the second tool (10).

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