

Title (en)

APPARATUS AND METHOD FOR FORMING SHAPED PARTS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON GEFORMTEN TEILEN

Title (fr)

APPAREIL ET PROCÉDÉ POUR FORMER DES PIÈCES DE FORME

Publication

EP 1907147 A4 20090429 (EN)

Application

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Priority

US 2005026482 W 20050726

Abstract (en)

[origin: WO2007018499A1] An apparatus and method are provided for forming a shaped part from a tube (14) having an end and at least one bend, the shaped part having an enlarger portion between the bend and the end. The shaped part is formed by applying pressure fluid within the tube (14) while maintaining pressure on the end of the tube to cause expansion of the tube between the bend and the end. The shaped part is formed on a hydraulic press (10) having upper (18) and lower dies (16). The apparatus (10) includes at least one side assembly (22) pivotally mounted to the lower die (16) with a cylinder (28) for applying pressure to at least one end of the tube (14). The apparatus further includes seals (34) for sealing ends of the tube (14) and a fluid control device (36) for pressurizing the fluid within the tube.

IPC 8 full level

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Citation (search report)

- [X] DE 4428564 A1 19950622 - DAIMLER BENZ AG [DE]
- [A] WO 2004071689 A1 20040826 - DAIMLER CHRYSLER AG [DE], et al
- See references of WO 2007018499A1

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