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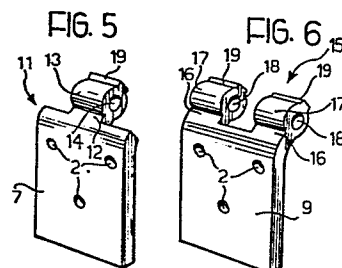
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⑤④ Process for the manufacture of hinges, particularly for vehicle doors.

⑤⑦ A method for the manufacture of vehicle hinges produces, by blanking and cold-forming, hinges (11,15) of the type comprising two flat rectangular plates (7,9) each provided on one side with a flat projection (12,16) of the same thickness as that of the plate (7,9) terminating with a substantially cylindrical enlargement (13,19) traversed by an axial hole (14,18) for receiving the hinge pin of the hinge (11,15). In particular, the method according to the invention is usable for the manufacture of hinges (11,15) of the type in which the axis of the said hole (14,18) is offset with respect to the plane of the associated plate (7,9). The invention also relates to a press tool usable in a press to effect the cold-forming operation which constitutes a stage in the manufacturing method of the hinge.





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EUROPEAN SEARCH REPORT

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EP 81 83 0241.6

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	<u>FR - A - 1 443 263</u> (DEBRY) * claim 1; column 2; fig. 11 * --	1-3,5	B 21 D 53/40 E 05 D 3/02
A	<u>US - A - 2 888 734</u> (RING et al.) * claim 1; fig. 7 to 10, 22 * --	1	
A	<u>DE - A - 2 037 832</u> (SCHARWÄCHTER KG) ----		
			TECHNICAL FIELDS SEARCHED (Int.Cl. ³)
			B 21 D 53/00 E 05 D 3/00 E 05 D 5/00
			CATEGORY OF CITED DOCUMENTS
			X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons
☒ The present search report has been drawn up for all claims			&: member of the same patent family, corresponding document
Place of search Berlin		Date of completion of the search 29-04-1982	Examiner SCHLAITZ