

Title (en)

Tools and process for forming conical components

Title (de)

Werkzeuge und Verfahren zur Herstellung konischer Gegenstände

Title (fr)

outils et procede de fabrication de pieces coniques

Publication

**EP 1155756 A1 20011121 (EN)**

Application

**EP 00304220 A 20000518**

Priority

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Abstract (en)

This invention relates to a press (20) for forming a conical component (58) from sheet metal or the like and to a method of forming a conical component (58) from a metal sheet (53) or the like. The press (20) comprises two spaced elongate arm members (39, 40) and an elongate tool member (23) movable between a clear position in which the tool member (23) is clear of a gap (41) between the arm members (39, 40) and an interposed position in which at least a portion of the tool member (23) penetrates the gap (41), wherein a member (23, 49, 50) is disposed out of parallel alignment with at least one of the other members (23, 49, 50). The required alignment may be achieved by arranging the press (20) such that, when in the interposed position, the penetration of the tool member (23) into the gap (41) is greater at one end (24) of the tool member (23) than the other (25). Alternatively or additionally, the arm members (49, 50) may diverge along their length. <IMAGE>

IPC 1-7

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CPC (source: EP)

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Citation (search report)

- [X] DE 1059389 B 19590618 - WILHELMSBURGER MASCHF
- [A] US 4195509 A 19800401 - HERBURG RUDOLF [DE]

Cited by

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