

Title (en)
PRESS AND METHOD FOR HOT WORKING AND HARDENING SHEET METAL BLANKS

Title (de)
PRESSE UND EIN VERFAHREN ZUM WARMUMFORMEN UND HÄRTEN VON BLECHPLATINEN

Title (fr)
PRESSE ET PROCÉDÉ DE FORMAGE À CHAUD ET DE TREMPÉ DE FLANS DE TÔLE

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Abstract (en)
[origin: WO2019110037A1] The invention relates to a method and a press (1) for hot working and hardening sheet metal blanks (2) made of steel. The press (1) has multiple tools which follow one another in a transport direction (9) of the sheet metal blanks (2) in order to simultaneously machine multiple sheet metal blanks (2) during each press stroke. Each tool has a tool upper part (4, 4a, 4b, 4c) which is held on the upper part (3) of the press (1) and a tool lower part (6, 6a, 6b, 6c) which is held on the lower part (5) of the press (1). At least two tools are provided as hot working tools and one tool, the last tool in the transport direction (9), is provided as a tool for press-hardening the sheet metal blanks (2), wherein the hot working and the press hardening processes of the sheet metal blanks (2) are carried out in the tools simultaneously during each press stroke.

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