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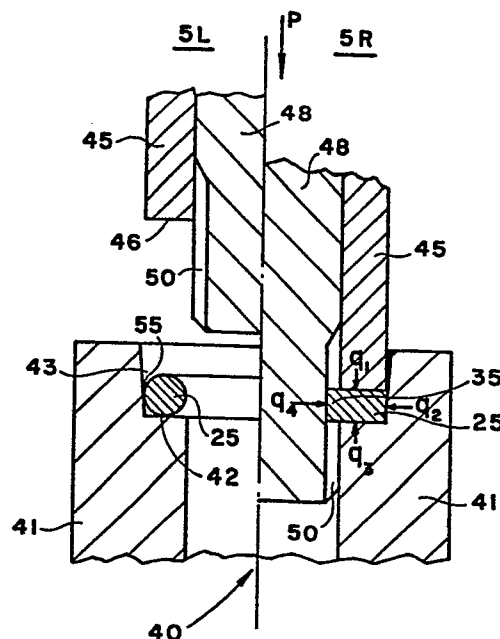
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㉚ **A method and a machine for producing a metallic ring with specially contoured surfaces from a ring-shaped blank of selected cross-section.**

㉛ Manufacture of rings that are contoured on the edge surface and/or the faces. A blank is formed by bending a rod into annular shape and welding the edges together. This blank is then placed into a stamp-type machine wherein the blank is deformed into a ring with the desired contours, the degree of deformation being at least 10%. The invention also provides a tamp-type machine for making these rings.



| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|---|--|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.4) |
| X | GB-A- 829 107 (SCHONDELMAIER) * claims 1-5; figures 1-8 * | 1-4, 6-9 | B 21 D 53/16 |
| X | DE-C-3 030 247 (SKF) * figures 1-5; claim 1; column 2, lines 3-18 * | 1, 4 | |
| A | DE-B-1 261 735 (THURINGIA) * figures 1-3; claims 1-3 * | 1-3, 5 | |
| A | US-A-1 377 266 (MOSSBERG) * figures 1-3 * | 1 | |
| | | | TECHNICAL FIELDS SEARCHED (Int. Cl.4) |
| | | | B 21 D 53/00 B 21 K 1/30 |
| The present search report has been drawn up for all claims | | | |
| Place of search BERLIN | | Date of completion of the search 07-05-1986 | Examiner SCHLAITZ J |
| 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 & : member of the same patent family, corresponding document | |