

Title (en)
METHOD FOR PRODUCING TAPERED COMPONENTS IN A DEEP-DRAWING PROCESS AND COMPONENTS PRODUCED BY THIS METHOD

Title (de)
VERFAHREN ZUR HERSTELLUNG VON KONISCH ZULAUFENDEN BAUTEILEN IN EINEM TIEFZIEHVERFAHREN UND DURCH DIESES VERFAHREN HERGESTELLTE BAUTEILE

Title (fr)
PROCÉDÉ DE FABRICATION DE COMPOSANTS CONIQUES DANS UN PROCÉDÉ D'EMBOUTISSAGE PROFOND ET COMPOSANTS AINSI FABRIQUÉS

Publication
EP 2624979 A1 20130814 (DE)

Application
EP 11764182 A 20111003

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Abstract (en)
[origin: WO2012045701A1] A description is given of a method for producing a rotationally symmetrical component (14), which tapers at least in one axial portion (15), from a flat piece of sheet metal (1, 4). The method is characterized in that, in a first step, a flat piece of sheet metal (4) is shaped in a deep-drawing process between a first die (5) and a punch (7) in such a way that a tapering region (15) is formed in at least one axial portion, and in a second step, said at least one tapering region (15) is machined in a non-cutting finishing operation between a second die (8, 35) and a machining tool (24, 30), which rotates about the axis of symmetry and subjects the tapering region (15) to loading only in one or more linear regions (25) that are distributed around the circumference.

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