

Title (en)
METHOD FOR MAKING DECORATED BOTTLE CAPS WITH IMPROVED MECHANICAL STRENGTH AND DEVICE FOR IMPLEMENTING SAID METHOD

Title (de)
VERFAHREN ZUR HERSTELLUNG VON VERZIERTEN FLASCHEDECKELN MIT VERBESSERTER MECHANISCHER FESTIGKEIT UND VORRICHTUNG ZUR IMPLEMENTIERUNG DIESES VERFAHRENS

Title (fr)
PROCEDE DE FABRICATION DE CAPSULES DECOREES A RESISTANCE MECANIQUE AMELIOREE ET DISPOSITIF POUR LA MISE EN OEUVRE DU PROCEDE

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Application
EP 05763703 A 20050502

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Abstract (en)
[origin: WO2005120743A1] The invention concerns a method comprising: a) providing sheet or format metal; b) swaging said metal by means of a swaging lubricant, so as to form a swaged blank (1); c) degreasing said swaged blank (1), so as to typically remove the remains of the swaging lubricant, to form a degreased blank (2) capable of being lacquer coated; d) lacquer coating said degreased blank (2), said resulting lacquer coated blank (3) being then optionally decorated; e) an optional finishing step. The method is characterized in that during the degreasing at step c), said swaged blank (1) is subjected to an energetic radiation emission treatment of selected intensity and duration to eliminate or decompose said remains of lubricant, said treatment being wholly carried out at a metal temperature less than 150 DEG C, and for a duration typically less than 1 second, so as to obtain, following said treatment, a surface tension not less than 34 dynes/cm. The invention also concerns a device for implementing said method. The invention provides the advantage that the low temperature degreasing preserves the mechanical properties of the metal of the swaged blank (1).

IPC 8 full level
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