

Title (en)  
SYSTEM AND PROCESS FOR NECKING CONTAINERS

Title (de)  
SYSTEM UND VERFAHREN ZUM EINHALSEN VON METALLDOSEN

Title (fr)  
SYSTEME ET PROCEDE DE RETREINTE DE RECIPIENTS

Publication  
**EP 0904169 A1 19990331 (EN)**

Application  
**EP 97919973 A 19970331**

Priority  

- US 9705205 W 19970331
- US 63604096 A 19960422
- US 75918996 A 19961204

Abstract (en)  
[origin: WO9739848A1] A system and process of necking an upper end (10) of a metallic container that will reduce the incidence of defects such as wrinkles and puckers during the necking process includes steps of performing a first stage operation to reduce a radius of said upper end by a first distance, and incrementally further reducing the radius of the upper end by performing a plurality of subsequent reduction operations on the upper end. Advantageously, the subsequent reduction operations are performed so that the amount of radius reduction that is applied by earlier of the subsequent reduction operations is less than the amount of radius reduction that is applied by later of the subsequent reduction operations. As a result, increases of wall thickness that occur during the subsequent reduction operations will be utilized to permit greater radial reduction in the later steps, and will ease the amount of radial reduction in the earlier steps, reducing the potential for defects such as puckering and wrinkling.

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See references of WO 9739848A1

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