Title (en)

APPARATUS AND METHOD FOR PRODUCING A LOCKING RING ON A CLOSURE CAP FOR A CONTAINER

Title (de)

VORRICHTUNG UND VERFAHREN ZUM HERSTELLEN EINES SICHERUNGSRINGS AN EINER VERSCHLUSSKAPPE FÜR EINEN BEHÄLTER

Title (fr)

APPAREIL ET PROCÉDÉ DE PRODUCTION D'UNE BAGUE DE VERROUILLAGE SUR UN BOUCHON DE FERMETURE POUR UN CONTENANT

Publication

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Application

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Abstract (en)

[origin: CA3155895A1] The invention relates to an apparatus for producing a locking ring on a closure cap for a container, which apparatus comprises a stationary cutting knife with a cutting blade extending along a cutting path, the cutting profile of which cutting blade corresponds to a slot geometry, to be created in a lateral surface of a closure cap blank, between a main part of the closure cap and the locking ring. Furthermore, the apparatus comprises a transport device for transporting the closure cap blank along the cutting path, wherein the transport device has a supporting mandrel for supporting the lateral surface of the closure cap blank such that the lateral surface is rolled over the cutting blade during a cutting operation, wherein the supporting mandrel has a rotatable mount, with which it is mounted so as to be rotatable about an axis of rotation oriented perpendicularly to the cutting path. The invention is distinguished by the fact that, in a supporting portion of the supporting mandrel, which is located opposite the cutting blade during the cutting operation, a groove geometry is formed, which corresponds at least to the slot geometry to be created, wherein the apparatus comprises a synchronization device by means of which a forward feed of the transport device along the cutting path is able to be synchronized with a rotational movement of the supporting mandrel about the axis of rotation. The invention also relates to an arrangement comprising such an apparatus and to a method to be carried out on such an arrangement.

IPC 8 full level

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