

Title (en)  
APPARATUS AND METHOD FOR BENDING A CAP

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM BIEGEN EINER KAPPE

Title (fr)  
APPAREIL ET PROCÉDÉ POUR PLIER UN CAPUCHON

Publication  
**EP 4159340 A1 20230405 (EN)**

Application  
**EP 22198255 A 20220928**

Priority  
IT 202100024902 A 20210929

Abstract (en)  
Described is an apparatus (1) for bending a cap equipped with a security seal and a closure casing defining a perimeter edge housing the security seal on a perimeter edge, comprising a support unit (2), including a seat (201) for receiving a closure casing, and a locking unit(3); the support unit (2) and the locking unit (3) are oriented along a longitudinal axis (X) and movable relative to each other along the longitudinal axis (X) between a spaced-apart position and a close-together position wherein the locking unit (3) engages the closure casing positioned in the seat (201) of the support unit. A deforming element (303) is positioned laterally to f the longitudinal axis (X) and is movable, away from and towards the longitudinal axis (X), between an inactive position and an active position, wherein it presses outside the perimeter edge of the closure casing to deform it plastically towards the longitudinal axis (X); the deforming element (303) is also movable by rotating about the longitudinal axis (X).

IPC 8 full level  
**B21D 51/44** (2006.01)

CPC (source: EP)  
**B21D 51/44** (2013.01)

Citation (applicant)  
• IT 201900006222 A1 20201023 - TELEROBOT S P A [IT]  
• WO 2020217186 A1 20201029 - TELEROBOT S P A [IT]  
• US 4232500 A 19801111 - HOLSTEIN JOHN H  
• JP 2011240188 A 20111201 - YUYAMA MFG CO LTD

Citation (search report)  
• [AD] WO 2020217186 A1 20201029 - TELEROBOT S P A [IT]  
• [A] US 4232500 A 19801111 - HOLSTEIN JOHN H  
• [A] JP 2001240188 A 20010904 - SHIBAZAKI SEISAKUSHO LTD

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

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KH MA MD TN

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