

Title (en)

Machine and method for making weakening cuts, particularly on container caps

Title (de)

Vorrichtung und Verfahren zum Formen von Schwächungseinschnitten, insbesondere auf Behälterkappen

Title (fr)

Dispositif et procédé pour former des coupes affaiblissantes, en particulier pour capuchons de récipients

Publication

EP 0533633 B1 19961030 (EN)

Application

EP 92830481 A 19920915

Priority

IT RM910703 A 19910919

Abstract (en)

[origin: EP0533633A2] There is described a machine for making weakening cuts, particularly on caps (28) provided with a side skirt (60) and a top disc (62), said side skirt (60) ending at the bottom in a ring (66) which has a reduced thickness, is provided with a fastening flap (58) and is intended to form a tamper-proof band after the weakening cuts have been made, said machine being characterised in that it comprises in combination: a support surface (40) intended for the ring (66) and provided with cutting teeth (42) generally at right angles to said surface, which are aligned and separated from one another by gaps (44); and a device which holds said ring (66) of said cap (28) in forced contact with said support surface and at the same time brings about a reciprocal rolling movement, without slipping, of the cap (28), relative to the surface (40), in the direction of alignment of said cutting teeth (42), the arrangement being such that the breakable bridges which remain in place on said ring (66), in positions corresponding to the gaps (44), are located along a circumference lying in a plane at right angles to the axis of the cap (28). <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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US2021094736A1; EP1243520A1; CN111590683A; CN104070236A; US2022281130A1; EP0621114A1; CN100354081C; EP3800020A1; CN114746233A; US5809860A; CN1056113C; US7673543B2; WO9611856A1; WO9524299A1; US6817276B1; US7059232B2; WO2004004993A1; WO2021063776A1; EP4037881A1; WO2020247319A1

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