

Title (en)

Apparatus for drawing and ironing containers.

Title (de)

Vorrichtung zum Tiefziehen und Glätten von Behältern.

Title (fr)

Dispositif pour l'emboutissage et le glaçage de récipients.

Publication

EP 0005084 A1 19791031 (EN)

Application

EP 79300714 A 19790426

Priority

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- US 90027078 A 19780426
- US 90027278 A 19780426

Abstract (en)

A drawing and ironing machine consists of a redraw assembly, at least one ironing assembly and a stripper assembly arranged in series and each having a ring having an opening to define a path for a punch. A cup holder sleeve (20) cooperates with the redraw assembly (26) to hold a cup (12) while it is forced through the redraw assembly (26) by the punch (24) which also cooperates with a domer assembly at the end of its path to reshape the end wall of the cup (12). Each of the rings (26, 232, 300, 310) are spring biased to a centered position by circumferentially spaced spring assemblies (70, 244) that accommodate radial movement of the ring with respect to the path. The cup holder sleeve (20) is also movable radially of the path and tiltable axially of the path while the domer assembly has a domer element which is also spring biased to a centered position. The various assemblies also have surfaces that cooperate with a surface on the frame that accommodate radial movement and have a fluid supplied thereto to reduce friction between the surfaces.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

B21D 22/28 (2013.01); **B21D 22/283** (2013.01); **B21D 22/286** (2013.01); **B21D 45/065** (2013.01)

Citation (search report)

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