

Title (en)

Method and device for embossing a drum cover

Title (de)

Verfahren und Vorrichtung zum Prägen eines Trommelmantels

Title (fr)

Procédé et dispositif destinés à effectuer des estampages ponctuels dans une enveloppe de tambour

Publication

EP 1872881 A2 20080102 (DE)

Application

EP 07110034 A 20070612

Priority

DE 102006029951 A 20060629

Abstract (en)

The procedure for introducing an embossing structure (3) into a metallic drum casing (1) of a washing drum, comprises positioning the drum casing, operationally locking the drum casing, and embossing the drum casing. The embossing pressure producing the embossing structure in the drum casing is exercised between the embossing structure consisting of a pressure drive and a supporting element. The supporting element is provided at a bearing surface with a die consisting of the counter structure. The cylindrically curved drum casing is held in a fixed position during the embossing process. The procedure for introducing an embossing structure (3) into a metallic drum casing (1) of a washing drum, comprises positioning the drum casing, operationally locking the drum casing, and embossing the drum casing. The embossing pressure producing the embossing structure in the drum casing is exercised between the embossing structure consisting of a pressure drive and a supporting element. The supporting element is provided at a bearing surface with a die consisting of the counter structure. The cylindrically curved drum casing is held in a fixed position during the embossing process. The drum casing is brought by turning and/or axially shifting into the intended embossing positions. The pressure forces exercised in the embossing on the drum casing mutually repeal themselves in the sum. Different embossing structures are produced in controlled manner. The drum casing is positioned over recesses, which has a typical function for the drum casing. An independent claim is included for a device for introducing an embossing structure into a metallic drum casing of a washing drum.

Abstract (de)

Um bei einem Verfahren zum Einbringen einer Prägestruktur in einen metallischen Trommelmantel 1, insbesondere in einen Trommelmantel 1 einer Wäschetrommel, auf lange Sicht reproduzierbar genaue Prägestrukturen und mit einfachen Mitteln eine lange Standzeit der Werkzeugteile zu erhalten, wird der die Prägestruktur im Trommelmantel erzeugende Prägedruck zwischen einem die Prägestruktur 3 aufweisenden Druckbaustein 4 und einem Stützelement 2 ausgeübt, das an der Anlagefläche mit einer die Gegenstruktur 5 aufweisenden Matrice versehen ist. Erfindungsgemäß wird der zylindrisch gebogene Trommelmantel 1 während des Prägevorgangs in einer festen Position gehalten. Dazu wird der Trommelmantel 1 nacheinander bearbeitet durch Positionieren, betriebssicheres Arretieren und Prägen, wobei die Prägunen 3 in mehreren Arbeitsschritten in den Trommelmantel 1 eingebracht werden und der Trommelmantel 1 durch Drehen und/oder durch axiales Verschieben nacheinander in die vorgesehenen Prägepositionen gebracht wird.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

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