

Title (en)

Embossing roller with multiple sequence of designs

Title (de)

Prägewalze mit mehreren Sequenzentwürfen

Title (fr)

Rouleau de gaufrage doté de plusieurs séquences de dessins

Publication

EP 2277690 A1 20110126 (EN)

Application

EP 09425298 A 20090723

Priority

EP 09425298 A 20090723

Abstract (en)

The present invention concerns an embossing cylindrical roller 1 comprising a plurality of micro-protuberances distributed in correspondence of its outer cylindrical surface and destined in use to emboss a paper tape 2. In accordance with the present invention the roller 1 has a circumference which length C is a multiple of the cut off length L of said tape. This means that the overall length C of the circumference is equal to the product between an integer number N and the length L of cut off, $C = N \times L$. The integer number is equal or higher to 2. In this manner the circumference can be subdivided in a number of sectors Cn that coincides with said multiple number N and in which each sector comprises said pluralities of micro-protuberances distributed on its surface so as to define on each one of said sectors a specific design Dn. According to this configuration of the roller, in correspondence of each complete rotation of the roller this cyclically imprints the tape according to the sequence corresponding to the designs Dn provided on it, each of which is destined to be printed inside an area of the tape delimited by said cut off length L.

IPC 8 full level

B31F 1/07 (2006.01)

CPC (source: EP)

B31F 1/07 (2013.01); **B31F 2201/0733** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2277690 A1 20110126

DOCDB simple family (application)

EP 09425298 A 20090723