

Title (en)

PAPER CUP, AND MANUFACTURING METHOD AND MANUFACTURING DEVICE THEREFOR

Title (de)

PAPPBECHER SOWIE HERSTELLUNGSVERFAHREN UND HERSTELLUNGSVORRICHTUNG DAFÜR

Title (fr)

GOBELET EN PAPIER, ET PROCÉDÉ DE FABRICATION ET DISPOSITIF DE FABRICATION POUR CELUI-CI

Publication

**EP 3266603 A4 20181212 (EN)**

Application

**EP 15883930 A 20150303**

Priority

JP 2015056267 W 20150303

Abstract (en)

[origin: EP3266603A1] The present invention pertains to the following: a manufacturing method and a manufacturing device for a paper cup in which a pair of embossing rolls form opposing embossments in a middle section of the paper cup or an outer sleeve which is wrapped around the outer circumference of the middle section; and the improvement of the paper cup. [Solution] Each of dies formed on the surface of a pair of embossing rolls has substantially an identical shape and is provided with the following: a frame section that is formed of a flat surface and that partitions cells which are surrounded by lattice frames extending at regular intervals in the horizontal and vertical directions and mutually crossing; and a projection section that includes four lateral-wall surfaces that raise up from the four directions of the sides of a cell towards the center of the cell, and a peak section formed in a plane or linear shape by assembled distal ends of the lateral-wall surfaces. A pair of the dies are characterized in that: the projection sections of the dies are disposed in a direction of approaching a blank; the vertical and horizontal lengths of a quadrangular shape of a unit section are each set as one pitch, the unit section including a cell, frame sections of two sides respectively extending along the adjacent vertical and horizontal side of the cell, and an intersection of these two frame sections; and one die of the pair is offset by half the pitch in the horizontal and vertical directions with respect to the other die.

IPC 8 full level

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- [X] WO 2014155751 A1 20141002 - TOKAN KOGYO CO LTD [JP]
- See references of WO 2016139762A1

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