

Title (en)

DEVICE AND METHOD FOR MANUFACTURING CONICALLY OR CYLINDRICALLY SHAPED HOLLOW BODIES WITH A PART PROJECTING OUTWARD, IN PARTICULAR CUPS WITH A HANDLE

Publication

EP 0255719 B1 19901024 (DE)

Application

EP 87111262 A 19870804

Priority

DE 3626365 A 19860804

Abstract (en)

[origin: EP0255719A1] 1. Device for manufacturing cylindrically or conically shaped deep bodies with a lateral projection, particularly handle cups, out of a powdery or granular ceramic material by isostatic pressing, with at least two pressing moulds (1, 3) defining the mould cavity (4) and including at least one outer pressing mould (1) defining the outer face of the shaped body and of the projection and one pressing mould (3) immersing into said outer pressing mould and defining the inner face of the shaped body, one of which pressing moulds is provided with at least one single-piece membrane (11) which is operable by pressure means and adapted to the shaped body, characterized in that an undivided outer pressing mould (1) is provided for in which a membrane (11) adapted to the outside of the projection and of the shaped body is taken up, that in the charging position the outer pressing mould (1) together with a filling ring (7) defines a filling and evacuation slit (19), for closing the mould cavity (4) is movable in axial direction of the pressing mould against the inner pressing mould (2), therein statically compressing the ceramic mass located in the mould cavity, and that the inner pressing mould (2) includes a support wedge (5) the forming surface (22) of which mates the upper edge of the projection.

IPC 1-7

B28B 3/00

IPC 8 full level

B28B 3/00 (2006.01)

CPC (source: EP)

B28B 3/003 (2013.01)

Cited by

CN1039393C; CN106536141A; EP0533142A1; CN113459574A; EP2774736A3; WO9520474A1; WO2016008462A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0255719 A1 19880210; EP 0255719 B1 19901024; DE 3626365 A1 19880211; DE 3765717 D1 19901129

DOCDB simple family (application)

EP 87111262 A 19870804; DE 3626365 A 19860804; DE 3765717 T 19870804