

Title (en)
SHAPING METHOD FOR PRODUCING SHAPED BODIES WITH AT LEAST ONE SURFACE THAT HAS SELF-CLEANING PROPERTIES, AND SHAPED BODIES PRODUCED ACCORDING TO THIS METHOD

Title (de)
FORMGEBUNGSVERFAHREN ZUR HERSTELLUNG VON FORMK RPERN MIT ZUM INDEST EINER OBERFL CHE, DIE SELBSTREINIGENDE EIGENSCHAFTEN AUFWEIST SOWIE MIT DIESEM VERFAHREN HERGESTELLTE FORMK RPER

Title (fr)
PROCEDE DE FORMAGE POUR PRODUIRE DES CORPS MOULES QUI PRESENTENT AU MOINS UNE SURFACE DOTE DE PROPRIETES AUTONETTOYANTES, ET CORPS MOULES PRODUITS GRACE A CE PROCEDE

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Abstract (en)
[origin: WO03076090A1] The invention relates to shaping methods for producing shaped bodies with at least one surface (X), which has self-cleaning properties and elevations formed by microparticles (P), by thermally shaping materials containing organic compounds by means of a shaping tool, and additionally relates to shaped bodies produced in this manner. According to the inventive method, surfaces having self-cleaning properties are produced by applying microparticles to the inner surfaces of the shaping tool before the thermal shaping, whereupon the shaping is carried out during which the microparticles are pressed into and anchored in the surface of the shaped body that is not yet solidified. The inventive method can be used in thermal shaping methods selected among blow molding, extrusion blow molding, extrusion stretch blow molding, injection blow molding, injection stretch blow molding, thermoforming, stretch forming using negative pressure, stretch forming using positive pressure, and rotational thermoforming. This method is suited for producing three-dimensional objects such as bottles, housing parts, barrels and many other objects.

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