

Title (en)

PROCESS FOR MANUFACTURING DEGRADABLE THIN-WALLED MOULDINGS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON VERROTTBAREN, DÜNNWANDIGEN FORMKÖRPERN

Title (fr)

PROCEDE DE FABRICATION D'ARTICLES MOULES DECOMPOSABLES, A PAROI MINCE

Publication

EP 0833564 A1 19980408 (DE)

Application

EP 96915905 A 19960614

Priority

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Abstract (en)

[origin: WO9700015A1] The invention concerns a process for manufacturing degradable, thin-walled moulded articles such as beakers, plates, fast-food packaging, trays, flat sheets and the like. A starch-based bake material is applied to the lower mould part of a multiple part, preferably two-part, mould. The material is then baked and conditioned to leave a moisture content of 6-22 wt %. The bake material contains, in addition to water and a starch or starch mixtures and/or flour or flour mixtures and/or starch derivatives, a fat- or oil-free parting compound and, as required, other standard additives. It is proposed that polyvinyl alcohol should be added to the baking mixture in quantities of 0.5 - 40 wt % as a proportion of the starch products, the polyvinyl alcohol having a degree of polymerisation of above 1000, preferably above 1600 and in particular above 2000, and the water content being 100-360 wt % as a proportion of starch product. Polyvinyl alcohol can be added in dry form or in the form of an aqueous solution.

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Citation (search report)

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