

Title (en)
ION EXCHANGER MOULDED BODY AND METHOD FOR PRODUCING SAME

Title (de)
IONENTAUSCHER-FORMKOERPER UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
CORPS MOULÉ ÉCHANGEUR D'IONS ET SON PROCÉDÉ DE FABRICATION

Publication
EP 2352635 A2 20110810 (DE)

Application
EP 09744682 A 20091030

Priority

- EP 2009064350 W 20091030
- EP 08168021 A 20081031
- EP 09744682 A 20091030

Abstract (en)
[origin: WO2010049515A2] The production of organic polymer moulded bodies with ion exchanger or ion adsorber properties is carried out by means of a powder-based rapid prototyping method, according to which a powdery organic polymer starting material or starting material mixture is applied to a base in a thin layer and mixed with a binding agent and optionally required auxiliary agents in selected areas of said layer, or irradiated or treated in another way, such that the powder is bound to these areas, both inside the layer and also to adjacent layers, and said process is repeated until the desired form of the moulded body is completely reproduced in the formed powder bed. The powder which is not bound by the binding agent is then removed such that the bound powder remains in the desired form, the starting material already comprising the ion exchanger or ion adsorber properties or, following the moulding, a corresponding functionalisation of the moulded body is carried out.

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WO 0185308 A2 20011115 - EXTRACTION SYSTEMS INC [US], et al

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EP 2009064350 W 20091030; CA 2742235 A 20091030; CN 200980143420 A 20091030; EP 09744682 A 20091030; JP 2011533735 A 20091030; KR 20117012526 A 20091030; US 200913126889 A 20091030