

Title (en)

COMPOSITION FOR MOLDING ARTICLES AND METHOD FOR PREPARING MOLDED ARTICLES THEREFROM

Title (de)

ZUSAMMENSETZUNG UND HERSTELLUNGSVERFAHREN FÜR FORMKÖRPER

Title (fr)

COMPOSITION DE MOULAGE D'ARTICLES ET PROCEDE DE FABRICATION D'ARTICLES MOULES UTILISANT CETTE COMPOSITION

Publication

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Application

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Abstract (en)

[origin: WO0121696A1] The present invention relates to a composition for molding articles and method for preparing molded articles therefrom. The composition according to the present invention comprising: 90 parts by weight or less of grain powder as a base material and 20 parts by weight or less of compounds containing at least one component selected from the group consisting of hydroxyl(R-OH), ester(R-CO<sub>2</sub>R'), carboxylic acid(R-CO<sub>2</sub>H), amide(R-CONH-R'), imides(R-CONHCO-R'), amine(R-NH<sub>2</sub>), anhydride(R-CO<sub>2</sub>CO-R'), phosphonic acid(R-PO<sub>3</sub>H<sub>2</sub>), sulfonic acid(R-SO<sub>4</sub>H) and melamine (wherein, R and R' are independently H, aliphatic or aromatic organic compounds, or organic compounds containing the above-mentioned components) as a molding assistant. The composition may further comprise at least one additive selected from the group consisting of molding texture binders and functional improvers for molded articles. The additive is used at an amount of 90 parts by weight or less based on the weight of the composition. Therefore, the composition in accordance with the present invention is environmentally friendly because its materials are natural products and economically favorable because its materials can be obtained with ease and are low-priced.

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Citation (search report)

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- [X] DATABASE CAPLUS [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; ANDO, SADAMASA ET AL: "Biodegradable foam containers", XP002303992, retrieved from STN Database accession no. 1994:326078 & JP H0632386 A 19940208 - NISSEI KK
- See references of WO 0121696A1

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