

Title (en)

METHOD FOR THE REACTIVE EXTRUSION OF AN AMYLACEOUS MATERIAL IN THE PRESENCE OF A POLYPHOSPHATE SERVING AS A CROSS-LINKING AGENT, RESULTING PRODUCTS, AND USES THEREOF

Title (de)

VERFAHREN ZUR REAKTIVEN EXTRUSION EINES STÄRKEHALTIGEN MATERIALS UNTER VERWENDUNG EINES ALS VERNETZUNGSMITTEL GEEIGNETEN POLYPHOSPHATS, DARAUS RESULTIERENDE PRODUKTE UND VERWENDUNGEN DAVON

Title (fr)

PROCEDE D'EXTRUSION REACTIVE DE MATIERE AMYLACEE EN PRESENCE DE POLYPHOSPHATE COMME AGENT RETICULANT, PRODUITS OBTENUS ET LEURS UTILISATIONS

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Application

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Abstract (en)

[origin: WO2014020274A1] The invention relates to a method for the reactive extrusion of an amylaceous substance in the presence of a polyphosphate serving as a cross-linking agent, to the resulting products, and to the uses thereof. The present invention relates to a method for the reactive extrusion of starch in the presence of a cross-linking agent which is a polyphosphate, in particular sodium trimetaphosphate, which behaves like an effective substitute for glyoxal. Said method makes it possible to manage the competition between the destructuring and cross-linking mechanisms of the amylaceous substance. The crystalline phase content of the cross-linked starches is thus controlled in accordance with the specific needs of the final use.

IPC 8 full level

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Citation (search report)

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