

Title (en)

MICROORGANISMS PERMITTING THE INTRACELLULAR POLYHYDROXY ALKANOATE SYNTHESIS WITH SIMULTANEOUS EXTRACELLULAR POLYSACCHARIDE SYNTHESIS AND PROCESSES FOR PRODUCING THE SAME

Title (de)

MIKROORGANISMEN; WELCHE DIE INTERZELLULAERE POLYHYDROXYALKANOAT-SYNTHESE GLEICHZEITIG MIT EINEM EXTRATELLULAEREN POLYSACCHARID-SYNTHESE ERMOEGLICHEN UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

MICRO-ORGANISMES PERMETTANT LA SYNTHÈSE INTRACELLULAIRE D'ALCANOATES POLYHYDROXYLES EN MEME TEMPS QUE LA SYNTHÈSE EXTRACELLULAIRE DE POLYSACCHARIDES, ET PROCÉDES DE PRODUCTION DE CES MICRO-ORGANISMES

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Application

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Abstract (en)

[origin: WO9533838A1] So far, the commercialisation on a large scale of the environmentally harmless PHB and PHA biopolymers has failed because of the very high production costs involved in the production of these substances by biotechnological fermentation processes. The present invention allows these biopolymers to be produced at lower costs. The invention describes microorganisms which synthesize PHB or PHA intracellularly and permit the extracellular synthesis of at least one polysaccharide on account of the expression of at least one protein having the enzymatic activity of a hexosyltransferase. It also describes processes for preparing such microorganisms.

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