

Title (en)
ENZYMES WITH A NITRILE-HYDRATASE ACTIVITY, GENETIC TOOLS AND HOST MICRO-ORGANISMS FOR THEIR PRODUCTION AND METHOD OF HYDROLYSIS USING SAID ENZYMES.

Title (de)
ENZYME MIT NITRIL-HYDRATASE AKTIVITÄT, GENETISCHE WERKZEUGE UND MIKROORGANISMEN ZUR DEREN ERZEUGUNG UND HYDROLYSEVERFAHREN DIE SIE BENUTZEN.

Title (fr)
ENZYMES A ACTIVITE NITRILE-HYDRATASE, OUTILS GENETIQUES ET MICRO-ORGANISMES HOTES PERMETTANT LEUR OBTENTION ET PROCEDE D'HYDROLYSE METTANT EN UVRE LESDITES ENZYMES.

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Abstract (en)
[origin: WO9504828A1] Novel enzymes with a nitrile-hydratase activity, capable of catalyzing the transformation of nitriles into amides. Said enzymes are characterized by having an enzymatic activity in relation to substrates with a nitrile function and a carboxylate function greater than that relative to substrates with at least two nitrile functions. The invention also concerns a DNA sequence coding for an enzyme with a nitrile-hydratase activity capable of hydrolyzing nitriles into amides, an analogue of this sequence resulting from degenerescence of the genetic code, or a DNA sequence hybridizing with one of these sequences or a fragment of the latter and coding for an enzyme with a nitrile-hydratase activity. Finally, the invention embraces the germs capable of producing the above-mentioned enzymes.

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