

Title (en)
HYDROGENATION OF ENZYMATICALLY-PRODUCED GLYOXYLIC ACID/AMINOMETHYL-PHOSPHONIC ACID MIXTURES.

Title (de)
HYDRIERUNG VON ENZYMATISCH HERGESTELLTEN GLYOXYLSÄURE-/AMINOMETHYLPHOSPHONSÄUREMISCHUNGEN.

Title (fr)
HYDROGENATION DE MELANGES D'ACIDE GLYOXYLIQUE ET D'ACIDE AMINOMETHYLPHOSPHONIQUE PRODUITS PAR PROCEDE ENZYMATIQUE.

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Abstract (en)
[origin: EP0541333A1] The invention provides a process for the production of N-(phosphonomethyl)glycine, also known as glyphosate. The process comprises hydrogenating a mixture of glyoxylic acid and aminomethylphosphonic acid, the mixture having been enzymatically prepared in situ by the reaction of glycolic acid and oxygen in an aqueous solution containing aminomethylphosphonic acid and the enzymes glycolate oxidase and catalase.

Abstract (fr)
L'invention concerne un procédé de production de N-(phosphonométhyl)glycine, également connu sous le nom de glyphosate. Le procédé comprend l'hydrogénation d'un mélange d'acide glyoxylique et d'acide aminométhylphosphonique, le mélange ayant été préparé de manière enzymatique in situ par la réaction de l'acide glycolique et de l'oxygène dans une solution aqueuse contenant de l'acide aminométhylphosphonique et les enzymes glycolate oxydase et catalase.

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