

Title (en)
PROCESS FOR ANAEROBIC OXIDATION OF METHANE

Title (de)
VERFAHREN ZUR ANAEROBEN OXIDIERUNG VON METHAN

Title (fr)
PROCESSUS D'OXYDATION ANAEROBIE DU METHANE

Publication
EP 1563082 A1 20050817 (EN)

Application
EP 03774392 A 20031120

Priority

- EP 03774392 A 20031120
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- NL 0300818 W 20031120

Abstract (en)
[origin: WO2004046367A1] Methane can be used as a source for producing hydrogen or hydrogen equivalents in a biological process using mesophilic or thermophilic bacteria of the order of the Thermotogales, e.g. Thermotoga maritima. Hydrogen can be produced as such, or as a reducing equivalent for the reduction of various compounds such as sulphur compounds. Especially, the methane oxidation can be used for anaerobically reducing sulphate to sulphide using methane as the predominant or sole electron donor, in coculture with sulphate-reducing micro-organisms.

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C02F 3/34 (2006.01); **C12P 3/00** (2006.01)

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