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(71) Applicant: **METABOLIC EXPLORER** [FR/FR];
BIOPOLE CLERMONT-LIMAGNE, 63360 SAINT
BEAUZIRE (FR).

(72) Inventors: **DISCHERT, Wanda**; 67 rue de Coulogne,
63270 VIC-LE-COMTE (FR). **RAYNAUD, Céline**; 1
rue des Ecoles, 63360 SAINT BEAUZIRE (FR). **DU-**
MON-SEIGNOVERT, Laurence; 12 rue Marguerite de
Valois, 63430 PONT DU CHATEAU (FR). **DUMOULIN,**
Nadège; 27 rue de Vichy, 63360 GERZAT (FR).

(74) Agent: **REGIMBEAU**; 20, rue de Chazelles, 75847 PARIS
CEDEX 17 (FR).

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(54) Title: MICROORGANISMS WITH IMPROVED 1,3-PROPANEDIOL AND BUTYRIC ACID PRODUCTION

(57) Abstract: The present invention concerns a new mutant strain of *Clostridium acetobutylicum* comprising attenuated glycerol kinase activity. In addition, the present invention concerns a consortium of *Clostridium* comprising at least said mutant strain and at least one other species of *Clostridium* chosen among *C. sporogenes* and *C. sphenoides*. As this modified strain may be adapted for growth and for the production of 1,3-propanediol in an appropriate culture medium with high glycerol content, the invention also relates to a method for the production of 1,3-propanediol and butyric acid, by culturing at least this mutant strain in an appropriate culture medium.

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