
Declarations under Rule 4.17:
— of inventorship (Rule 4.17(iv))

Published:
— with international search report (Art. 21(3))
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
— with (an indication*) in relation to deposited biological material furnished under Rule 13bis separately from the description (Rules 13bis.4(d)(i) and 48.2(a)(viii))

Date of publication of the international search report: 3 December 2015

Title: PRODUCTION OF A LOW-ALCOHOL FRUIT BEVERAGE
### Box No. II  Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. □ Claims Nos.:
   because they relate to subject matter not required to be searched by this Authority, namely:

2. □ Claims Nos.:
   because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. □ Claims Nos.:
   because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box No. III  Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. □ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. □ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. ★ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

   1-9

4. ★ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- The additional search fees were accompanied by the applicant’s protest and, where applicable, the payment of a protest fee.

- The additional search fees were accompanied by the applicant’s protest but the applicable protest fee was not paid within the time limit specified in the invitation.

- ★ No protest accompanied the payment of additional search fees.
### A. CLASSIFICATION OF SUBJECT MATTER

INV.  C12G3/02  C12G3/08  C12R1/645  C12R1/225  C12G1/022
ADD.  C12R1/25

According to International Patent Classification (IPC) or to both national classification and IPC

### B. FIELDS SEARCHED

- Minimum documentation searched (classification system followed by classification symbols)
  - C12G
  - C12R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

- Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
  - EPO-Internal
  - FSTA
  - WPI
  - Data

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<tbody>
<tr>
<td><strong>X</strong></td>
<td>abstract page 1279 page 1281, col umn 1, paragraph 4 - page 1283, col umn 2, paragraph 1 tables 1,2</td>
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* Special categories of cited documents:
  *"A" document defining the general state of the art which is not considered to be of particular relevance
  *"B" earlier application or patent but published on or after the international filing date
  *"L" document which may throw doubts on priority claim(s) on which the patent family is based
  *"O" document referring to an oral disclosure, use, exhibition or other means
  *"P" document published prior to the international filing date but later than the priority date claimed

**K** Further documents are listed in the continuation of Box C.  
**X** See patent family annex.

**T** later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

**X** document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

**Y** document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

**A** document member of the same patent family

Date of the actual completion of the international search: 22 September 2015

Date of mailing of the international search report: 09/10/2015

Name and mailing address of the ISA:
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NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016

Authorized officer: Schl egel, Birgit
<table>
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<th>Category</th>
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<td>X</td>
<td>JEAN-MARIE LAPLACE ET AL: &quot;INCIDENCE OF INDIGENOUS MICROBIAL FLORA FROM UTENSILS AND SURROUNDING AIR IN TRADITIONAL FRENCH CIDER MAKING&quot;, JOURNAL OF THE INSTITUTE OF BREWING, vol. 104, no. 2, March 1998 (1998-03) abstract page 71, col umn 1 page 72, col umn 1, paragraph 2 - page 74, col umn 2, paragraph 1; figures 1,2; table 2</td>
<td>1,5,7</td>
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<td>KR 20100101723</td>
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<td>WO 8906685</td>
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<td>JP 2005192562 A 21-07-2005</td>
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</table>
This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5, 7-9

Method for producing a beverage with reduced content of alcohol employing a combination of homofermentative and heterofermentative lactic acid bacteria (LAB) and yeast; use of homofermentative and heterofermentative LAB for producing yeast-fermented beverage with reduced content in alcohol and beverage obtained by the process

2. claim: 6

Lactobacillus strain DSM27565 and mutant strains derived therefrom

3. claims: 10-12

Kits comprising a combination of a homofermentative and heterofermentative LAB strain and at least one yeast strain