HCV genomic sequences for diagnostics and therapeutics

The present application features nucleic acid, peptide and antibody compositions relating to genotypes of hepatitis C virus and methods of using such compositions for diagnostic and therapeutic purposes.

Fig. 1
<table>
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<tr>
<th>Category</th>
<th>Citation of document with indication, where appropriate, of relevant passages</th>
<th>Relevant to claim</th>
<th>CLASSIFICATION OF THE APPLICATION (IPC)</th>
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<tr>
<td>X</td>
<td>KREMSDORF D ET AL: &quot;PARTIAL NUCLEOTIDE SEQUENCE ANALYSIS OF A FRENCH HEPATITIS C VIRUS: IMPLICATIONS FOR HCV GENETIC VARIABILITY IN THE E2/NS1 PROTEIN&quot; JOURNAL OF GENERAL ViroLOGY, READING, BERKS, GB, vol. 72, no. PART 10, January 1991 (1991-01), pages 2557-2561, XP000619231 ISSN: 0022-1317 * figures 1,2 * -----</td>
<td>1-28</td>
<td>INV. C07K14/18 A61K39/12 G01N33/569 C12Q1/70 C12Q1/68</td>
</tr>
</tbody>
</table>

The present search report has been drawn up for all claims

Place of search: Munich
Date of completion of the search: 8 November 2007
Examiner: Stolz, Beat

CATEGORY OF CITED DOCUMENTS
X: particularly relevant if taken alone
Y: particularly relevant if combined with another document of the same category
A: technological background
O: non-written disclosure
P: intermediate document
T: theory or principle underlying the invention
E: earlier patent document, but published on, or after the filing date
D: document cited in the application
L: document cited for other reasons
&: member of the same patent family, corresponding document
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Place of search: Munich, Date of completion of the search: 8 November 2007, Examiner: Stolz, Beat.
**DOCUMENTS CONSIDERED TO BE RELEVANT**

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</tr>
</thead>
</table>
### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- [ ] Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):

- [ ] No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

- [ ] All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

- [ ] As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

- [ ] Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

  - [ ] None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

    claims 1-33 as far as they relate to a non-naturally occurring nucleotide sequence defined by Seq ID 2

- [ ] The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

Invention 1

claims 1-33
as far as they relate to a non-naturally occurring nucleotide sequence defined by Seq ID 2

Inventions 2-141

claims 1-33
as far as they relate a non-naturally occurring nucleotide sequence defined independently by any of
Seq IDs 3-22 (NS5 region)
Seq IDs 24-32 (env 1 region)
Seq IDs 34-51 (5' UT region)
Seq IDs 53-66 (core region)
or any of
Seq IDs 67-145

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<th>Publication date</th>
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</thead>
</table>

For more details about this annex: see Official Journal of the European Patent Office, No. 12/82