Abstract: In a distributed speech recognition system (20) comprising a first communication device (22) which receives a speech input (34), encodes data representative of the speech input (36, 38), and transmits the encoded data (42) and a second remotely-located communication device (26) which receives the encoded data (44) and compares the encoded data with a known data set, the device (26) including a processor (92) with a program which controls the processor (92) to operate according to a method of reconstructing the speech input including the step (44) of receiving encoded data including encoded spectral data and encoded energy data. The method further includes the step (46, 48) of decoding the encoded spectral data and encoded energy data to determine the spectral data and energy data. The method also includes the step (50, 52) of combining the spectral data and energy data to reconstruct the speech input.
Published:  with international search report

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G10L 15/00
US CL : 704/231,270,275

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)

U.S. : 704/231,270,275

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)

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>
</tr>
</thead>
<tbody>
<tr>
<td>X,E</td>
<td>US 6,377,916 B1 (HARDWICK) 23 April 2002 (23.04.2002), Abstract, Fig. 4.</td>
<td>1,2,8</td>
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<td>X</td>
<td>US 5,596,676 A (SWAMINATHAN et al.) 21 January 1997 (21.01.1997), Abstract, Fig. 11.</td>
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<td>A</td>
<td>US 5,918,223 A (BLUM et al) 29 June 1999 (29.06.1999), Abstract.</td>
<td>1-9</td>
</tr>
</tbody>
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Further documents are listed in the continuation of Box C. See patent family annex.

Date of the actual completion of the international search: 15 May 2002 (15.05.2002)

Date of mailing of the international search report: 13 JUN 2002

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