Title: SYSTEM AND METHOD FOR TRANSMITTING DATA VIA WAVE REFLECTION

Abstract: A system and method of encoding and transmitting data includes a data receiver/carrier transmitter which transmits a sinusoidal carrier signal to a data source/carrier receiver. The data source encodes at least one transmission channel during a corresponding period. The carrier is reflected back to the data receiver with an amplitude proportional to the degree of applied impedance such that the total amplitude of the transmitted and at least a segment of the reflected cycles represents encoded data, yet the underlying carrier signal remains an unmodulated sinusoid.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : H03C 1/32

US CL. : 455/106

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. : 455/106

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>Y</td>
<td>US 5,313,211 A (TOKUDA et al) 17 May 1994 (17.05.1994), whole document.</td>
<td>1-27</td>
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[] Further documents are listed in the continuation of Box C.

[] See patent family annex.

* Special categories of cited documents:

**"A"** document defining the general state of the art which is not considered to be of particular relevance

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**Date of the actual completion of the international search**


**Date of mailing of the international search report**

18 Nov 2005

**Authorized officer**

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