Orthodontic objects along a virtual archwire

Techniques are described for moving an orthodontic object (e.g., an orthodontic appliance and/or its associated tooth) in response to input indicative of a desired movement of the object along a virtual archwire. The movement of objects along the archwire may be used to generate a three-dimensional (3D) representation of a patient's dental arch. The manner in which the object is to be moved along the virtual archwire may be determined automatically during creation of a treatment plan for a patient, or may be determined and input by an orthodontic practitioner as part of the creation of the treatment plan.
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:**
- G06F 19/00(2006.01); A61C 3/00(2006.01)

**USPC:** 705/2.3; 706/98; 433.24

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.: 705/2.3; 706/98; 433/24

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

## 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>
</table>

Further documents are listed in the continuation of Box C.

See patent family annex.

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


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

06 SEP 2006

Name and mailing address of the ISA/US

- Mail Stop PCT, Attn: ISA/US
- Commissioner for Patents
- P.O. Box 1450
- Alexandria, Virginia 22313-1450

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