

# Virtualization Technology of VIRTUAIS

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## Technology description

### Introduction

The present invention consists of an enhanced visualization technique for a virtual keyboard that is controlled by a pointing device such as a gaze or head. The technology is innovative in the area of computer and communications technology, playing an inclusive and accessible social role and enabling access to modern technology for persons with severe motor disabilities. One of the main contributions of the present invention is the maximum comfort and typing speed achieved by enriching keyboard visual information, including, inter alia, context information entered and word acceleration.

### Objective

The proposed enhanced information visualization technique has a preferred application on a virtual keyboard controlled by a pointing device. Therefore, the present invention improves the existing interface, reduces the need to view different parts of the interface, and thereby obtains higher comfort and performance by enabling a user to obtain information about the status of an application or other application faster and more effectively.

## Application area

This invention has entered the commercial realm of assistive technology industries, augmented reality systems and communications systems.

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