

HTV

* PERSONALISED INSTRUCTION AID SYSTEM

This revolutionary multimedia system in its simplest form improves human-computer interactivity, for a host of applications that people today want to receive.

The system connects people directly to a knowledge base of information, and allows a computer to sense the viewers requirements, like if they wish to learn a sporting action, language or software programme. It can further sense the viewers ability and give them back in real-time, audio-visual advice from an expert or corporation. The system allows a computer to form a video presentation where it appears the expert actually talks to the viewer, to the extent they can personally address the viewer by name. All without the expert or corporation ever having to see the viewers information. The system can also improve instructional tape presentations and CD Rom interactivity. It does not require the viewer to be computer literate, or even have computing power with them, to receive video advice presentations which could be better than face-to-face communications today.

The system works by, (1) Imaging and non-imaging sensing devices capturing a persons movements or data. They could be making a golf swing on a driving range, with a television in front of them, trying to master a new language, or wishing to learn computer software from home, and once the person starts to make the golf swing, say a word, or hit a particular character on a keyboard (2), sensing devices with them convert their captured information signals into digital code which is then transmitted through a communications network (3) to a computer (4). Within the computer is stored selected experts or corporations images, audio and data information set out in a precise way which lets the computer form a secondary personalised video signal that can teach or advise the viewer.

To do this the system uses an expert system and other software to study the pupils incoming digital information against their selected advisers stored digital information, and when it senses differences in the two signals the computer has been uniquely programmed to automatically edit out the incorrect performance information to later show the viewer, and generates a further secondary audio-visual presentation (5) from the stored experts knowledge information in the database, which allows the computer to then pass on the expert or corporations advice as if they were with the viewer. Once the overall presentation is made by the computer, which can be done in near enough to real time with today's technology, it is then transmitted straight back to the viewer.

Only in this way HTV's chairman Rick Baker feels can a person have true two-way, user friendly interactive communications with a computer in all situations over the Information Superhighway.

