

Title: Patent Application for Classifier Implementation

Source: BT

In accordance with the Specialists Group agreed policy on intellectual property (see section 10 of Document #140R and section 8 of Document #181R), British Telecom informs the group that it filed a patent application on 9 July 1987 which covers a method of implementing the classifier in the Flexible Hardware Specification.

An abstract of the application is given below.

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Values, such as a set of coefficients in a transform-based video coder are to be transmitted sequentially in any one of a number of possible preset orders. The order to be selected is the one that results in the largest number of consecutive zeros (or low values) at the end of the sequence.

Values are supplied (in an arbitrary sequence) with addresses, in parallel to a bank of assessment sections - one for each preset order - each of which translates the addresses into addresses representing a position in the respective order and records the highest for which the associated value is non-zero. The outputs of the sections are then compared to identify the lowest, and hence the optimum order of transmission.