DATA PROCESSING SYSTEM AND OPERATING SYSTEM

ABSTRACT

A data processing system uses a plurality of individual code segments, forming unique and autonomous tools which are bound into a complete executable process only at the time of loading or executing the process. This enables process code to be short and the required tools to be brought into and out of local memory only when required. The system may have an interconnected array of processor nodes and allocates processes in a parallel fashion between nodes automatically and transparently to the user ensuring that the most efficient use is made of the processing power available. Tools are stored in a virtual code that enables portability between different hardware architectures.

Figure 4