

METHOD FOR EXTRACTION OF A VARIABLE LENGTH RECORD FROM FIXED  
LENGTH SECTORS ON A DISK DRIVE AND FOR REBLOCKING REMAINING  
RECORDS IN A DISK TRACK

ABSTRACT

A method enables a host processor (10), employing variable length (VL) records, to communicate with disk storage (24) (26) (28) employing fixed length (FL) sectors for storage of VL records. The method comprises the steps of: a) deriving a first control data structure for an update VL record (100); b) determining a disk track wherein an old VL record commences; c) reading each FL sector and creating a control data structure; d) substituting in a control data structure information regarding update data from the first control data structure; e) recording data indicated by each control data structure; and f) if the old VL records ends at other than a sector break of a FL sector, reblocking VL records into FL sectors which are recorded thereafter on the disk track. The invention also enables a read action to be accomplished in one rotation of a disk.

Fig. 5a