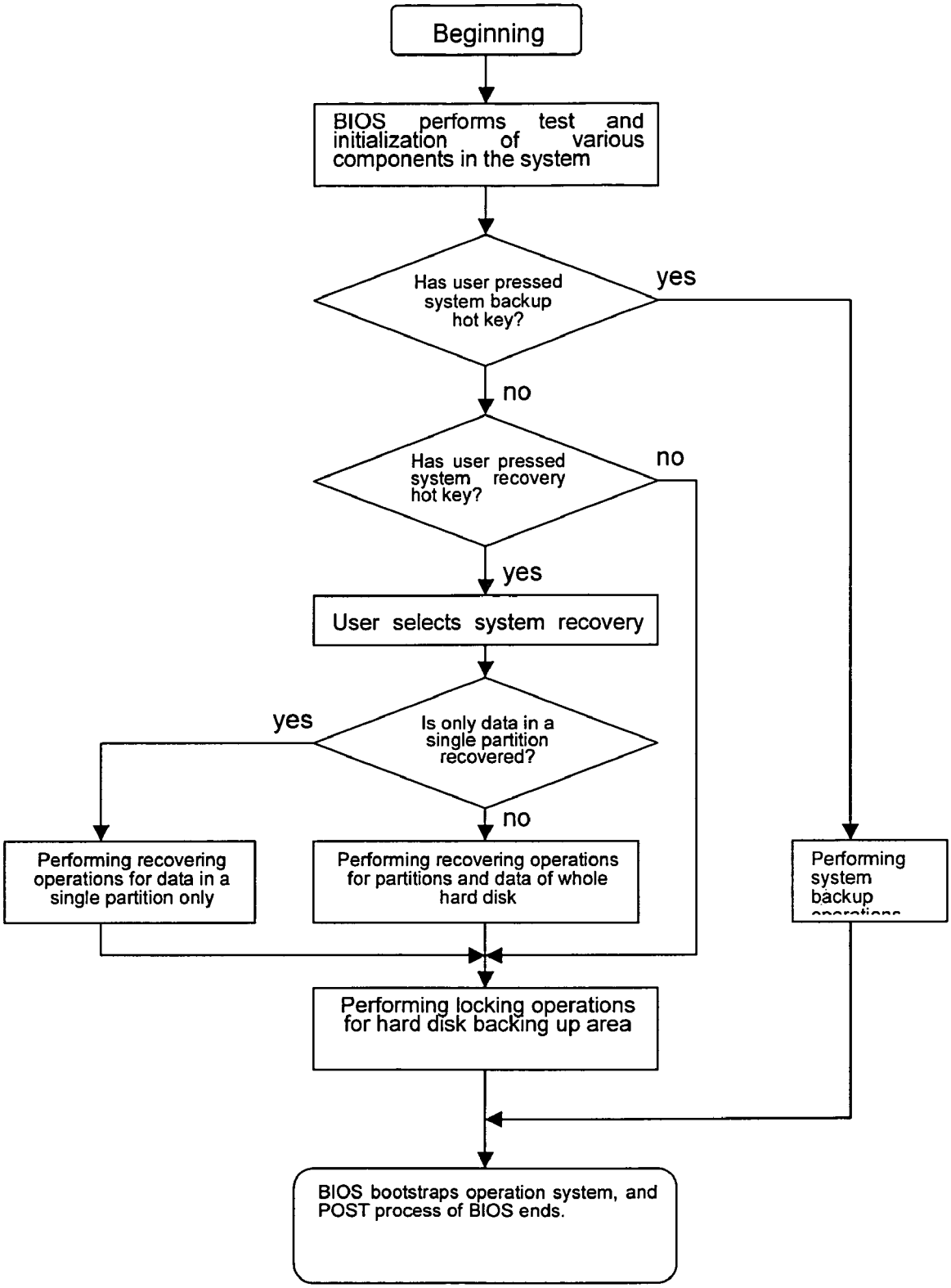
Beginning
BIOS performs test and initialization of various components in the system
Has user pressed system backup hot key?
yes
no
Has user pressed system recovery hot key?
no
yes
User selects system recovery
Is only data in a single partition recovered?
yes
no
Performing recovering operations for data in a single partition only
Performing recovering operations for partitions and data of whole hard disk
Performing system backup
Performing locking operations for hard disk backing up area
BIOS bootstraps operation system, and POST process of BIOS ends.

Fig.1