

ABSTRACT

Embodiments of this application provide a magnetic tape, a drive, a magnetic tape system, and an electronic device, designed to prevent breakage of the magnetic tape in the magnetic tape system from causing the entire magnetic tape system to fail. The magnetic tape system provided
5 in embodiments of this application includes a magnetic tape, a read/write head, a page picker, and a controller. The magnetic tape includes a plurality of storage pages arranged in a stacked manner. During read/write operations performed on the magnetic tape, the controller may determine at least one target storage page from the plurality of storage pages, control the page picker to extract the target storage page, and control the read/write head to read data from the target storage page or
10 write data to the target storage page. Since data is stored in the plurality of storage pages, and the page picker contacts the target storage page to extract the target storage page, the storage page bears less force when compared with a magnetic tape wound around reels, thereby preventing breakage of the magnetic tape in the magnetic tape system from causing the entire magnetic tape system to fail.