**CLAIM**

The ornamental design for an electronic device display screen with graphical user interface, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of the first image in a sequence for an electronic device display screen with graphical user interface.

FIG. 2 is a front view of the second image thereof.

FIG. 3 is a front view of the third image thereof.

FIG. 4 is a front view of the fourth image thereof.

FIG. 5 is a front view of the fifth image thereof.

FIG. 6 is a front view of the sixth image thereof.

FIG. 7 is a front view of the seventh image thereof; and, FIG. 8 is a front view of the eighth image thereof.

The broken lines showing an electronic device illustrates environment, whereas the broken lines showing the display screen, text, and elements of the graphical user interface illustrate portions of the article. No subject matter illustrated in broken lines form part of the claimed design.

The appearance of the graphical user interface transitions sequentially between the images shown in FIGS. 1-8. The process or period in which one image transitions to another forms no part of the claimed design.