**CLAIM**

The ornamental design for a display screen with animated graphical user interface, as shown and described.

**DESCRIPTION**

Fig. 1 is a front view of a first image in a sequence for a display screen with animated graphical user interface; Fig. 2 is a second image thereof; Fig. 3 is a third image thereof; and, Fig. 4 is a fourth image thereof. The broken lines showing a display screen illustrate portions of the article and form no part of the claimed design. The appearance of the animated graphical user interface transitions sequentially between the images shown in Figs. 1-4. The process or period in which one image transitions to another forms no part of the claimed design.

1 Claim, 1 Drawing Sheet