

DRIVE CIRCUIT WITH OVER-VOLTAGE PROTECTION
FOR USE WITH PIXEL CELLS AND OTHER CIRCUITS

ABSTRACT OF THE DISCLOSURE

A drive circuit (150) that produces an over-voltage signal and protects circuit components from the over-voltage signal (i.e., such that circuit components operate within process specification limits). A photosensitive pixel cell (10,110) can be driven by the drive circuit (150). Use of the drive circuit (150) increases dynamic range of the pixel cell (10,110) and reduces "ghost images." Control logic selectively passes an over-voltage signal to individual rows of a 2-D pixel array.

Figure 2