42. The electronic data processing device of claim 35 wherein the electronic data processing device comprises a television.

43. A method of operating a battery-powered device having a panel controller that provides pixel data to a display panel, the method comprising:

detecting that a battery charge is below a predetermined threshold; and in response thereto

reconfiguring the panel controller to provide altered pixel data to the display panel.

44. The method of claim 43 wherein the reconfiguring comprises modifying operation of the panel controller to provide reduced brightness pixel data to the display panel.

45. The method of claim 43 wherein the reconfiguring comprises modifying operation of the panel controller to provide a subset of available colors to the display panel.

46. The method of claim 45 wherein the available colors comprise red, green, and blue pixel data, and the subset is the green pixel data.

47. The method of claim 45 further comprising:

selecting a first subset of available colors and providing the first subset to the display panel during a first time; then

selecting a second subset of available colors and providing the second subset to the display panel during a second time.

48. The method of claim 47 wherein the first subset comprises green, the second subset comprises red and blue, and the method further comprises alternately switching back and forth between the first and second subsets over time.

49. The method of claim 48 wherein the alternately switching back and forth is repeated more than ten times per second.

50. An article of manufacture comprising:

a machine-accessible medium having thereon data which, when accessed by a machine, enable the machine to create a semiconductor device including,

a graphics controller, and

a panel controller that is reconfigurable to operate with any one of multiple display panels that have different input requirements, the panel controller having a configuration cycle machine, an output configurator, and a pixel engine.

51. The article of manufacture of claim 50 wherein the machine-accessible medium has additional data that, when accessed by the machine, enable the machine to include in the semiconductor device:

parameter storage to store parameters received by the panel controller from a display panel.

52. A business method comprising:

assembling a first apparatus including,

a first graphics controller,

a first parameter-configurable panel controller of a first controller type, coupled to the first graphics controller, and

a display panel of a first panel type, coupled to the first parameter-configurable panel controller;

assembling a second apparatus including,

a second graphics controller,

a second parameter-configurable panel controller of the first controller type, coupled to the second graphics controller, and

a display panel of a second panel type, coupled to the second parameter-configurable panel controller;

wherein the first panel type and the second panel type are incompatible with each other in at least one characteristic of the input data they require from their respective panel controllers;

shipping the first apparatus; and

shipping the second apparatus.

53. The business method of claim 52 wherein:

assembling the first apparatus further includes,

selecting the first parameter-configurable panel controller according to a first SKU; and

assembling the second apparatus further includes,

selecting the second parameter-configurable panel controller according to the first SKU.

54. The business method of claim 53 wherein the first apparatus and the second apparatus each comprise one of:

a cellular telephone;

a personal computer;

laptop computer;

palm computer;

a personal digital assistant;

a calculator; and

a television.

55. The business method of claim 54 wherein the first apparatus and the second apparatus comprise the same one of that list.

56. The business method of claim 54 wherein the first display type and the second display type are different ones of:

CRT;

LCD;

OLED; and

plasma display.

57. The business method of claim 53 wherein the at least one characteristic of the input data comprises any of:

resolution;

data bus width;

display technology;

gray scale support;

modulation index;

scan type;

clock frequency;

scan rate;

degradation; and

color depth.

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