

49. The display device as in claim 48 wherein each said separate display backplane comprises at least one electrode for each picture element.

50. The display device as in claim 48 wherein each said display separate display backplane is a passive matrix display backplane.

51. The display device as in claim 48 wherein each said display backplane is an active matrix display backplane.

52. The display device as in claim 43 wherein the second length of the substrate is continuous.

53. A method of manufacturing a plurality of display panels on a flexible substrate, said method comprising:

creating a first display component on a first region of a flexible substrate, said flexible substrate having a first length and a second length;

creating a second display component on a second region of said flexible substrate, said second region being disposed along at least one of said first length and said second length from said first region by a third length, and wherein said first region is for a first display panel of said plurality of display panels and said second region is for a second display panel of said plurality of display panels.

54. The method as in claim 53 further comprising:

rolling said flexible substrate through a web processing apparatus.

55. A display device comprising:

a flexible substrate; and

a flexible reflective display backplane coupled to said flexible substrate.

56. The display device as in claim 55 wherein said flexible reflective display backplane comprises a plurality of shaped blocks which are deposited onto said flexible substrate.

57. The display device as in claim 56 wherein said display device conforms to a desired shape of an object when said flexible display device is attached to said object.

58. The flexible display device as in claim 56 wherein each of said shaped blocks comprises a circuit element which drives a picture element.

59. The display device as in claim 56 further comprising:

a display generation substrate coupled to said flexible reflective display backplane.

60. The display device as in claim 55 wherein said flexible reflective display backplane comprises at least one electrode for each picture element.

61. The display device as in claim 55 wherein said display is conformal.

62. The display device as in claim 55 wherein said substrate has at least one recessed region, said recessed region is reflective.

63. A method of processing a flexible substrate, said method comprising:

moving a flexible substrate through at least one web process apparatus;

dispensing a slurry containing a plurality of shaped objects onto said flexible substrate, said shaped objects being deposited onto receptor regions of said flexible substrate.

64. The method as in claim 63 wherein said flexible substrate moves at a rate of 5 inches per minute to 100 inches per minute.

65. The method as in claim 63 wherein a display tape moves at a rate of 5 inches per minute to 100 inches per minute.

66. The method as in claim 65 wherein the display tape comprises a material selected from the group of polyether sulfone (PES), polyethylene terephthalate, polycarbonate, polybutylene terephthalate, polyphenylene sulfide (PPS), polypropylene, polyester, aramid, polyamide-imide (PAI), polyimide, aromatic polyimides, polyetherimide, metallic materials, acrylonitrile butadiene styrene, and polyvinyl chloride.

67. A device for continuously feeding a flexible substrate and a display tape through a production line to form a display panel comprising:

a first drive belt disposed on a first plurality of support members to traverse a flexible substrate about a stationary point;

a second drive belt disposed on a second plurality of support members to traverse a display tape about the stationary point;

said flexible substrate disposed on a first drive belt wherein the flexible substrate has apertures;

a display tape deposited on the second drive belt wherein the display tape has apertures;

a slurry comprising a plurality of shaped blocks is placed onto the substrate;

a container stores excess slurry;

the first drive belt has adjustable fasteners corresponding to the apertures of the flexible substrate;

the second drive belt has adjustable fasteners corresponding to the apertures of the display tape; and

the flexible substrate is coupled to the display tape.

68. The device of claim 67 wherein the flexible substrate is comprised of the material selected from the group consisting of glass, plastic, and silicon.

69. The device of claim 67 wherein the display tape is comprised of the material selected from the group consisting of polyether sulfone (PES), polyester terephthalate, polycarbonate, polybutylene terephthalate, polyphenylene sulfide (PPS), polypropylene, polyester, aramid, polyamide-imide (PAI), polyimide, aromatic polyimides, polyetherimide, metallic materials, acrylonitrile butadiene styrene, and polyvinyl chloride.

70. The device of claim 67 wherein said apertures of the substrate are about evenly spaced.

71. The device of claim 67 wherein said apertures of the display tape are about evenly spaced.

72. The device of claim 63 wherein the display tape has a top surface and a bottom surface and at least one of the top surface and bottom surface has a metalization film.

73. The device of claim 67 wherein the display tape is heated.

74. The device of claim 63 wherein the display tape is patterned.

75. A method for continuously feeding a flexible substrate and a display tape through a production line to form a display panel comprising:

moving a flexible substrate and a display tape;