

- 13. The defect correction program of claim 12, wherein the reference line correction routine includes a feature line.
- 14. The defect correction program of claim 12, wherein the reference line correction routine includes a centerline.
- 15. The defect correction program of claim 12, wherein the reference line correction routine includes a contour line.
- 16. The defect correction program of claim 12, wherein the reference line correction routine includes a user defined reference line.
- 17. The defect correction program of claim 12, wherein the at least one defect correction program includes a fill correction routine.
- 18. The defect correction program of claim 12, wherein the at least one defect correction program includes an average correction routine.
- 19. A method for correcting an image, comprising:
 - determining at least one defective region and an associated non-defective region using a defect map;
 - parsing the at least one defective region into sub-regions using at least one reference line operable to define

- boundaries between the at least one defective region and the non-defective region as a function of an orientation of the at least one defective region; and
- filling the sub-regions using data calculated from the non-defective regions associated with the sub-regions.
- 20. The method of claim 19, wherein the at least one reference line comprises a feature line.
- 21. The method of claim 19, wherein the at least one reference line comprises a contour line.
- 22. The method of claim 19, wherein the at least one reference line comprises a user defined reference line.
- 23. The method of claim 19, wherein filling the sub-regions using data calculated from the non-defective regions comprises filling the sub-regions using data calculated by interpolation from the non-defective regions associated with the sub-regions.
- 24. The method of claim 23, wherein the interpolation comprises a straight-line interpolation.

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