

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

David A. Monroe

Serial No.: 10/336,470

Filed: January 3, 2003

For: APPARATUS FOR CAPTURING,  
CONVERTING AND  
TRANSMITTING A VISUAL  
IMAGE SIGNAL VIA A DIGITAL  
TRANSMISSION SYSTEM

Group Art Unit: 2622

Examiner: Joseph R. Pokrzywa

Docket No. 121817.0002.042

Mail Stop RESPONSE/FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**RESPONSE TO OFFICE ACTION DATED SEPTEMBER 27, 2004**

Sir:

This is a response to the Office Action mailed on September 27, 2004 and is timely filed. Please amend the application as follows:

In the Specification:

Please amend the specification as follows:

Delete the reference to Fig. 7A and 7B

Paragraph 0051, line 361, change "PCMCIA card 50" to --PCMCIA card 72--.

Paragraph 0054, line 427, change "81" to --81a--.

Paragraph 0055, line 443, change "83" to --83a--.

Paragraph 0066, line 552, change "81" to --81a--.

In the Drawings:

Please amend the drawings in accordance with the letter to the Office Draftsman, attached hereto and filed concurrently herewith.

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In the Claims:

Please amend the claims as follows:

Cancel Claims 5, 6, 10, 11, 14-17, 21, 31-34.

Amend Claim 3 as follows: Line 1, change "1" to --2--.

Add the following new Claims 43-62, as follows:

43 (New). A handheld self-contained cellular telephone and integrated image processing system for both sending and receiving telephonic audio signals and for capturing a visual image and transmitting it to a remote receiving station, the system comprising:

- a. A housing;
- b. An image capture device comprising a electronic camera contained within the housing;
- c. A display for displaying an image framed by the camera;
- d. A processor in the housing for generating an image data signal representing the image framed by the camera;
- e. A telephonic system in the housing for sending and receiving digitized audio signals and adapted for sending the image data signal;
- f. Alphanumeric input keys in the housing for permitting manually input digitized alphanumeric signals to be input to the processor, the telephonic system being further adapted for sending the digitized alphanumeric signals;
- g. A wireless communications device adapted for transmitting any of the digitized signals to a compatible remote receiving station; and
- h. A power supply in the housing for powering the system.

44. (New) The self-contained image processing system of Claim 43, further comprising a display for framing the image to be captured by the image capture device and for displaying the image at the system whereby the operator can view and frame the image prior to capture.

45. (New) The self-contained image processing system of Claim 43, wherein the display is adapted for viewing alphanumeric messages input at the alphanumeric keys.

46. (New) The self-contained image processing system of Claim 43, wherein the communications system is adapted for receiving incoming alphanumeric messages from a remote station and wherein the display is adapted for viewing such incoming alpha numeric messages.

47. (New) The self-contained image processing system of Claim 43, wherein the communications system is adapted for receiving incoming image data signals and wherein the display is adapted for viewing such incoming image data signals.

48. (New) The self-contained image processing system of Claim 43, further comprising a removable memory module adapted to be removably housed in the housing for storing captured image data signals.

49. (New) The self-contained image processing system of Claim 43, wherein the system is adapted for operating in any combination of three distinct functions: (1) an audio telephone, (2) a transmitting system for transmitting captured image data signals via a cellular telephone, and (3) for receiving incoming transmissions such as configuration signals or incoming image data signals.

50. (New) The self-contained image processing system of Claim 49, wherein the display is adapted for viewing incoming image data signals.

51. (New) A handheld cellular telephone having an integrated electronic camera for both sending and receiving telephonic audio signals and for capturing a visual image, converting the visual image to a digitized image data signal and transmitting digitized image data signal via a cellular telephone network, the cellular telephone comprising:

- a. A housing;
- b. A cellular telephone in the housing, the cellular telephone further including a transmitter/receiver for transmitting and receiving audio telephone messages over a cellular network, a keypad for entering manually input alphanumeric signals to be

- transmitted over the cellular telephone network, and a display window for viewing the manually input alphanumeric signals;
- c. An electronic camera in the housing, the digitized camera adapted for visually framing a visual image to be captured and for capturing and digitizing the framed image in a format adapted for transmission over the cellular network via the cellular telephone;
  - d. An integrated power supply for powering both the cellular telephone and the camera.

52. (New) The cellular telephone of Claim 51, wherein the display window for viewing the alphanumeric signals is within the display for framing the visual image.

53. (New) The cellular telephone of Claim 51, further including a memory in the housing for storing the captured framed image.

54. (New) The cellular telephone of Claim 53, wherein the memory is selectively removable from the housing.

55 (New) A combination of handheld cellular telephone and electronic camera comprising:

- a. A housing;
- b. A electronic camera in the housing;
- c. A display in the housing;
- d. A processor for processing the image framed by the camera;
- e. A cellular telephone in the housing and adapted for accepting and digitizing audio signals to be transmitted and for converting received digitized audio signals into acoustic audio, the cellular telephone further adapted for transmitting and receiving non-audio digital signals including digitized image signals;
- f. Alphanumeric input keys in the housing for permitting manually input alphanumeric signals to be input into the cellular telephone, the manually input alphanumeric signals being presented in a display;

- g. A power supply in the housing for powering the processor, the cellular telephone, the display and the camera;
- h. A wireless transmitter/receiver in the housing for transmitting digital signals sent from and receiving digital signals sent to the cellular telephone.

56 (New) The combination of Claim 55 further comprising a display for framing the image to be captured by the image capture device and for viewing the image at the system whereby the operator can view and frame the image prior to capture.

57 (New) The combination of Claim 55 wherein the display is adapted for viewing alphanumeric messages input at the alphanumeric input keys.

58 (New) The combination of Claim 55, wherein the cellular telephone is adapted for receiving incoming alphanumeric messages from a remote station and wherein the display is adapted for viewing such incoming alphanumeric messages.

59. (New) The combination of Claim 55, wherein the cellular telephone is adapted for receiving incoming image data signals and wherein the display is adapted for viewing such incoming image data signals.

60. (New) The combination of Claim 55, further comprising a removable memory module adapted to be removably housed in the housing for storing captured image data signals.

61. (New) The combination of Claim 60, further adapted for operating in any combination of three distinct functions: (1) an audio telephone, (2) a transmitting system for transmitting captured image data signals via a cellular telephone, and (3) for receiving incoming transmissions such as incoming image data signals.

62. (New) The combination of Claim 60, wherein the display is adapted for viewing incoming image data signals.

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