



[54] METHOD FOR TRANSMITTING MULTIREOLUTION IMAGE DATA IN A RADIO FREQUENCY COMMUNICATION SYSTEM

5,262,958 11/1993 Chui et al. .
5,420,637 5/1995 Zeevi .
5,426,513 6/1995 Scorse et al. .... 358/433
5,461,655 10/1995 Vuyksteke et al. .
5,504,933 4/1996 Saito ..... 348/13

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FOREIGN PATENT DOCUMENTS

0449529A2 3/1991 European Pat. Off. .
WO 90/13966 11/1990 WIPO .
WO 96/29818 9/1996 WIPO .

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[21] Appl. No.: 08/682,043

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[57] ABSTRACT

[51] Int. Cl.<sup>6</sup> ..... H04N 7/14

[52] U.S. Cl. .... 348/13; 345/328

[58] Field of Search ..... 348/384, 12, 13, 348/426, 469; 358/260, 433; 345/328

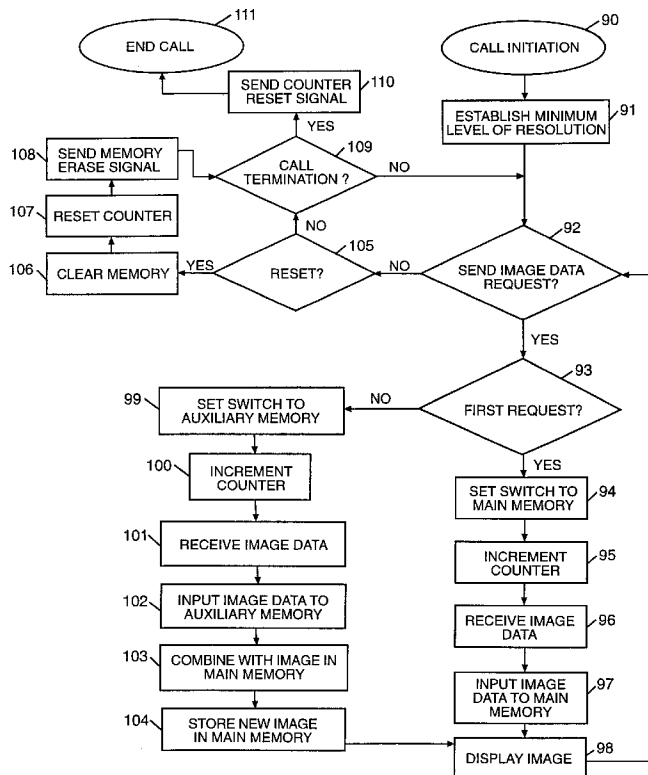
The present invention relates to a method for transmitting multiresolution image data via wireless devices in a radio frequency communication system wherein images are decomposed into levels of resolution. The image data is stored in discrete information blocks in an image storage unit including a base image and one or more image details. The base image represents the coarsest resolution of the image. Each image detail, when added to the base image, improves the resolution of the image. An image display unit transmits a request for image data to the image storage unit. In response to the initial request, the base image is transmitted to the image display unit. If the base image is insufficient, the resolution can be increased incrementally by sending additional image data requests to transmit additional image detail. The additional image detail is then transmitted to the image display unit and recombined with the base image to provide a higher level of resolution to the image.

[56] References Cited

U.S. PATENT DOCUMENTS

4,414,580 11/1983 Johnson et al. .... 358/260
4,654,484 3/1987 Reiffel et al. .... 379/53
4,672,444 6/1987 Bergen et al. .... 348/384
4,674,125 6/1987 Carlson et al. .
4,682,869 7/1987 Itoh et al. .
4,709,394 11/1987 Bessler et al. .
4,718,104 1/1988 Anderson .
4,870,497 9/1989 Chamzas et al. .... 348/426
4,931,954 6/1990 Honda et al. .
5,050,230 9/1991 Jones et al. .
5,119,081 6/1992 Ikehira .
5,153,936 10/1992 Morris et al. .
5,218,455 6/1993 Kristy .

33 Claims, 5 Drawing Sheets



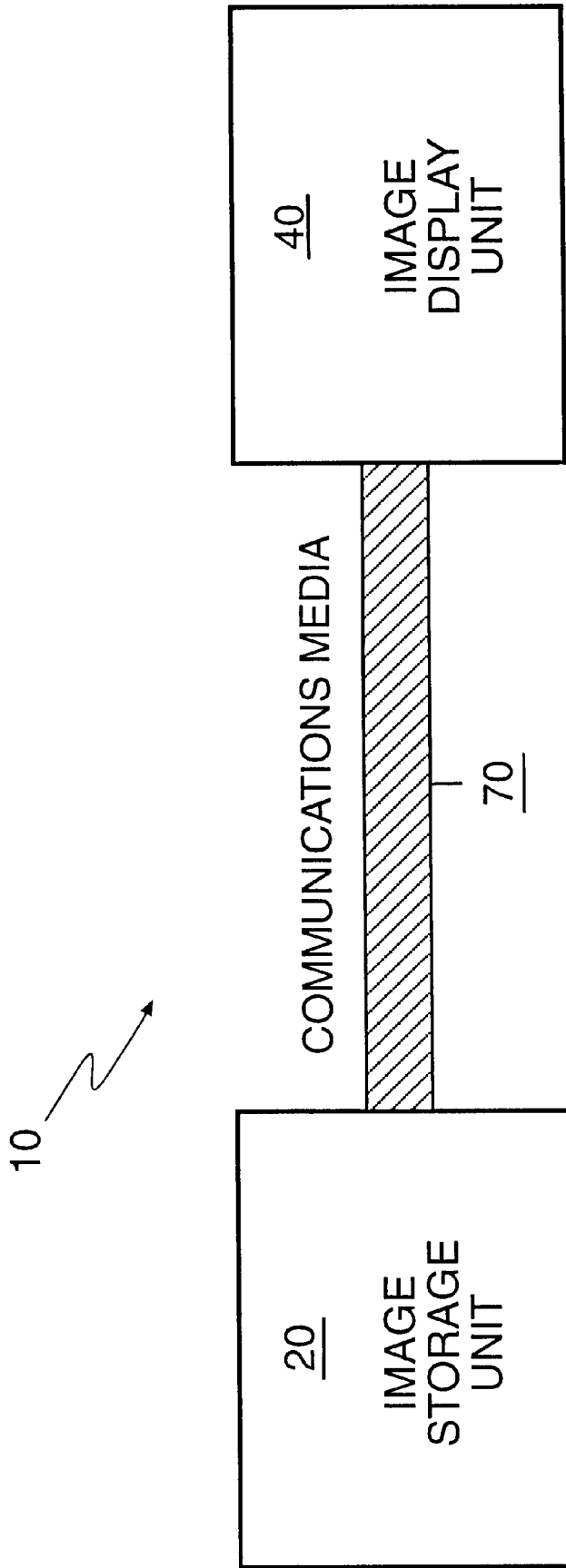


FIGURE 1

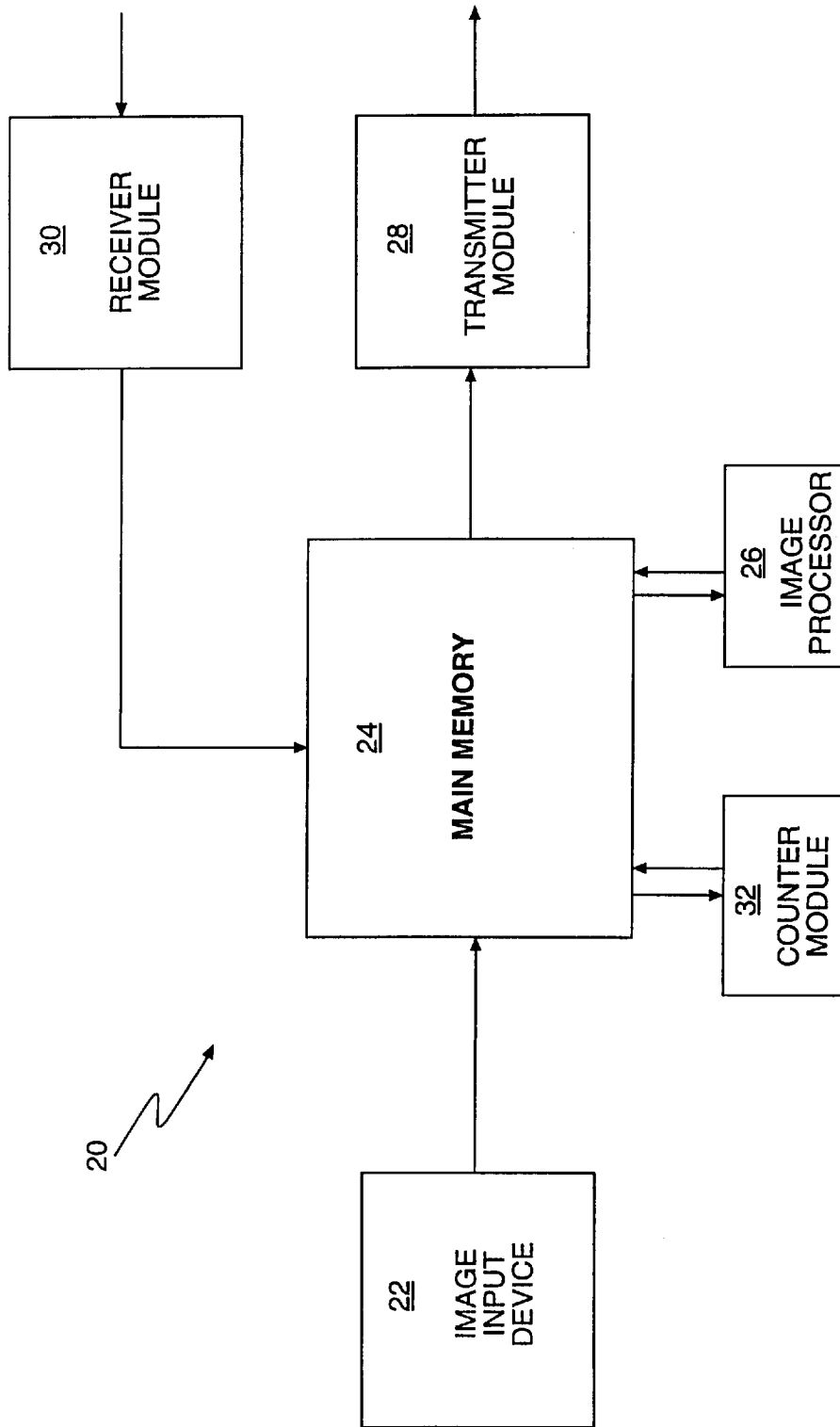


FIGURE 2

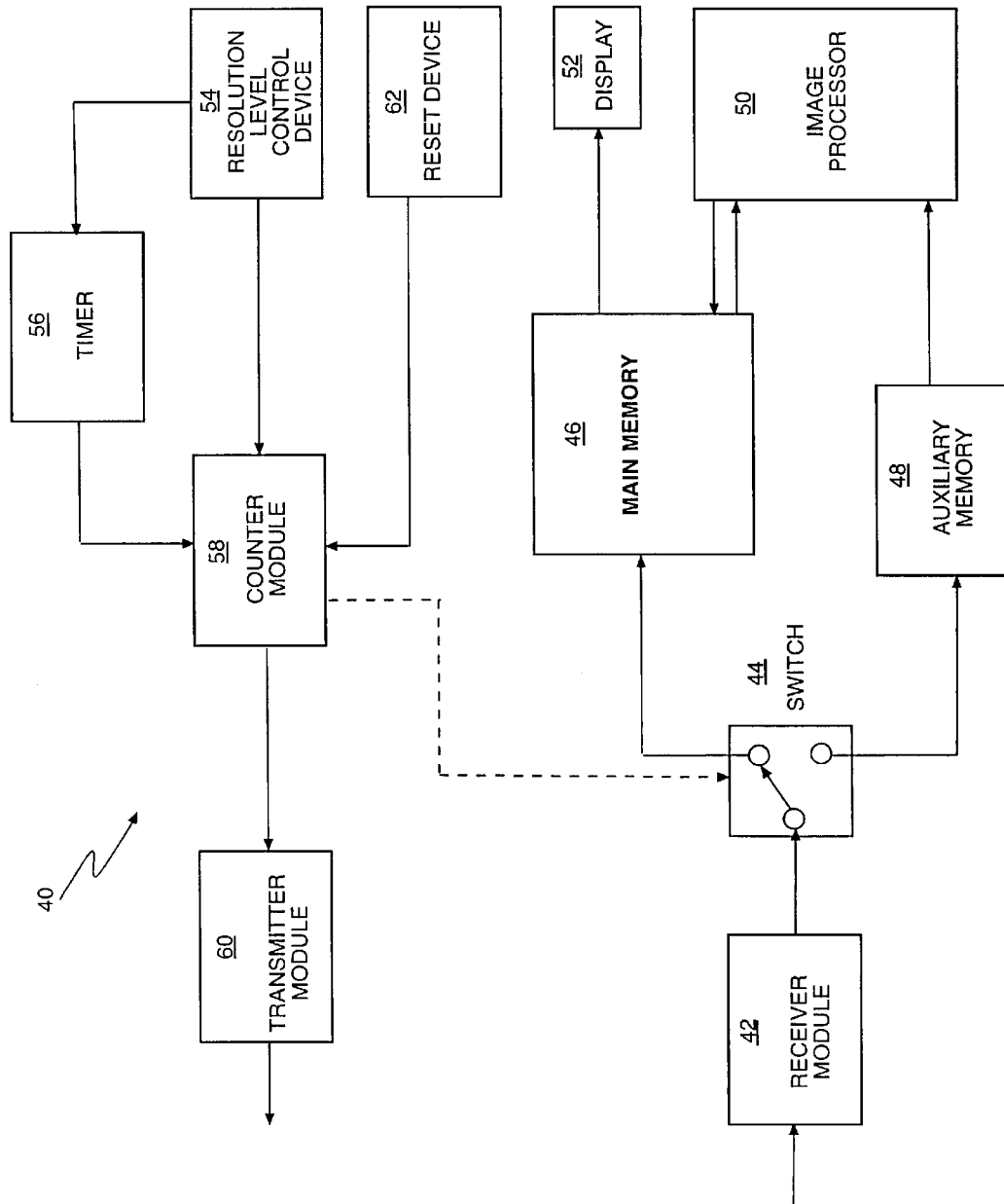


FIGURE 3

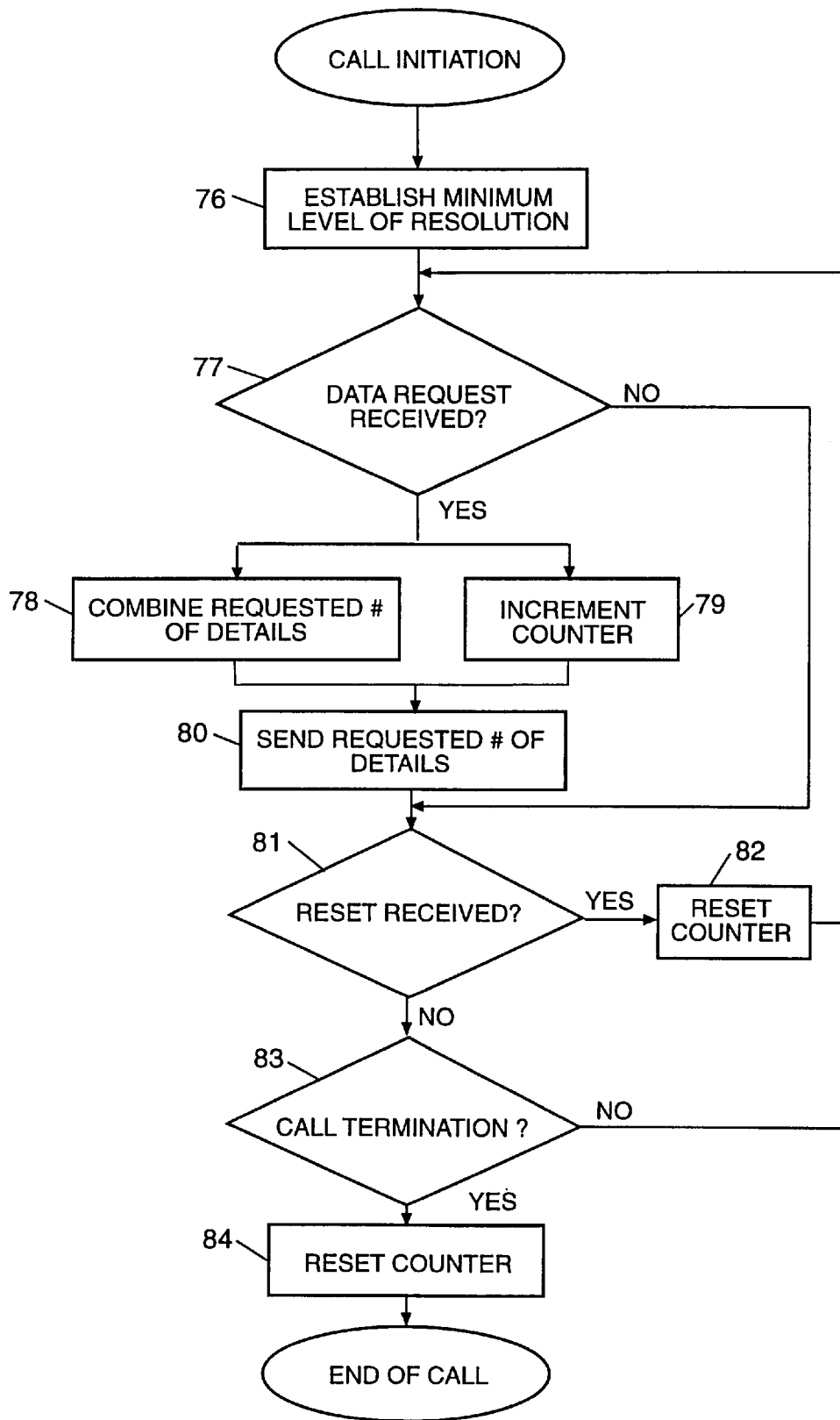


FIGURE 4

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