Claims

1. A method comprising:

- reconstructing a reference picture from another reference picture of a decoder picture buffer of a first layer of a multi-layered stream and from data decoded from a second layer of said multi-layered stream and storing said reference picture in a decoder picture buffer of said second layer, wherein said reference picture is indicated as not to be displayed;
- decoding a flag indicating that a subsequently decoded picture of the second layer is not using any inter-layer prediction; and
- reconstructing (16) a picture block of said subsequently decoded picture at least from said reference picture.

2. The method of claim 1 further comprising:

decoding from said second layer information for identifying said another reference picture.

3. The method according to claim 1 or 2, wherein said data decoded from said second layer are representative of a pixel by pixel difference between said reference picture and said another reference picture.

4. The method according to any of claims 1 to 3, wherein the first layer is a base layer.

5. The method according to any of claims 1 to 4, wherein said reference picture and said another reference picture are temporally aligned.

6. A method comprising:

- encoding in a second layer of a multi-layered stream a reference picture of a decoder picture buffer of said second layer from another reference picture of a decoder picture buffer of a first layer of said multi-layered stream, wherein said reference picture is indicated as not to be displayed;

- encoding a flag indicating that a subsequently encoded picture of said second layer is not using any inter-layer prediction;
- encoding a picture block of said subsequently encoded picture at least from said reference picture.

7. The method of claim 6 further comprising:
encoding in said second layer information for identifying said another reference picture.

8. The method according to claim 6 or 7, wherein encoding in said second layer said reference picture comprises determining the pixel by pixel difference between said reference picture and said another reference picture and encoding said pixel by pixel difference.

9. The method according to any of claims 6 to 8, wherein the first layer is a base layer.

10. The method according to any of claims 6 to 9, wherein said reference picture and said another reference picture are temporally aligned.

11. A decoder comprising:
- means for reconstructing a reference picture from another reference picture of a decoder picture buffer of a first layer of a multi-layered stream and from data decoded from a second layer of said multi-layered stream and for storing said reference picture in a decoder picture buffer of said second layer, wherein said reference picture is indicated as not to be displayed;
- means for decoding a flag indicating that a subsequently decoded picture of the second layer is not using any inter-layer prediction; and
- means for reconstructing a picture block of said subsequently decoded picture at least from said reference picture.

12. The decoder of claim 11 further comprising:

means for decoding from said second layer information for identifying said another reference picture.

13. The decoder according to claim 11 or 12, wherein said data decoded from said second layer are representative of a pixel by pixel difference between said reference picture and said another reference picture.

14. The decoder according to any of claims 11 to 13, wherein the first layer is a base layer.

15. The decoder according to any of claims 11 to 14, wherein said reference picture and said another reference picture are temporally aligned.

16. An encoder comprising:

- means for encoding in a second layer of a multi-layered stream a reference picture of a decoder picture buffer of said second layer from another reference picture of a decoder picture buffer of a first layer of said multi-layered stream, wherein said reference picture is indicated as not to be displayed;
- means for encoding a flag indicating that a subsequently encoded picture of said second layer is not using any inter-layer prediction;
- means for encoding a picture block of said subsequently encoded picture at least from said reference picture.

17. The encoder of claim 16 further comprising:
means for encoding in said second layer information for identifying said another reference picture.

18. The encoder according to claim 16 or 17, wherein encoding in said second layer said reference picture comprises determining the pixel by pixel difference between said reference picture and said another reference picture and encoding said pixel by pixel difference.

19. The encoder according to any of claims 16 to 18, wherein the first layer is a base layer.

20. The encoder according to any of claims 16 to 19, wherein said reference picture and said another reference picture are temporally aligned.

Claims

1. A decoding method comprising:

- reconstructing a reference picture from another reference picture of a decoder picture buffer of a first layer of a multi-layered stream and from data decoded from a second layer of said multi-layered stream and storing said reconstructed reference picture in a decoder picture buffer of said second layer, wherein said reference picture is indicated as not to be displayed;
- decoding a flag indicating that a subsequently decoded picture of the second layer is not using any inter-layer prediction; and
- reconstructing a picture block of said subsequently decoded picture at least from said reconstructed reference picture.

2. The decoding method of claim 1 further comprising:
decoding from said second layer information for identifying said another reference picture.

3. An encoding method comprising:
- encoding in a second layer of a multi-layered stream a reference picture of a decoder picture buffer of said second layer from another reference picture of a decoder picture buffer of a first layer of said multi-layered stream, wherein said reference picture is indicated as not to be displayed;
- encoding a flag indicating that a subsequently encoded picture of said second layer is not using any inter-layer prediction; and
- encoding a picture block of said subsequently encoded picture at least from said reference picture.

4. The encoding method of claim 3 further comprising:
encoding in said second layer information for identifying said another reference picture.

5. A method of transmitting comprising:
transmitting, in a second layer of a multi-layered stream, coded data for a reference picture of a decoder picture buffer of said second layer, said reference picture being encoded from another reference picture of a decoder picture buffer of a first layer of said multi-layered stream, wherein said reference picture is indicated as not to be displayed ;
transmitting a flag indicating that a subsequently encoded picture of said second layer is not using any inter-layer prediction; and
transmitting coded data for a picture block of said subsequently encoded picture, said picture block being encoded at least from said reference picture.

6. The method of claim 5 further transmitting, in said second layer, information for identifying said another reference picture.