

We Claim:

1. A method for mirroring native media of a source device via a destination device, the method comprising:
 - receiving a first media element of the native media of the source device;
 - causing the destination device to mirror the native media comprising the first media element via an output interface associated with the destination device;
 - receiving a second media element of the native media of the source device;
 - determining whether to cause the destination device to mirror the native media including the second media element based on at least one parameter associated with the second media element;
 - in response to determining to cause the destination device to not mirror the second media element, identifying a region of the native media that corresponds to the second media element; and
 - causing the destination device to display, in the identified region, image data of a previous frame of image data, wherein causing the destination device to display the image data of the previous frame of video data prevents the destination device from displaying the second media element.
2. The method of claim 1, wherein the at least one parameter is based on user input.
3. The method of claim 2, wherein the at least one parameter is based on previously received user input stored in memory.
4. The method of claim 2, wherein the at least one parameter is based on dynamically determined user input received in response to receiving the second media element.
5. The method of claim 4, further comprising:
 - in response to receiving the second media element from at least one software application, providing a user with a user interface that enables the user to indicate whether to control the destination device to mirror the second media element.

6. The method of claim 1, further comprising:
 - causing the destination device to not mirror the second media element until it is determined whether to mirror the second media element based on the at least one parameter.
7. The method of claim 6, further comprising:
 - causing the destination device to mirror other native media including the first media element while causing the destination device to not mirror the second media element.
8. The method of claim 7, wherein causing the destination device to mirror other native media including the first media element while causing the destination device to not mirror the second media element comprises:
 - causing the destination device to mirror the first media element, including reading at least some previously output media stored in memory.
9. The method of claim 7, wherein causing the destination device to mirror other native media including the first media element while causing the destination device to not mirror the second media element comprises:
 - sending, to the destination device, the media that includes the first media element, and does not include the second media element.
10. The method of claim 9, wherein the media comprises video media, and
 - wherein causing the destination device to mirror other native media including the first media element while causing the destination device to not mirror the second media element comprises:
 - encoding the native media to generate mirrored media to be mirrored by the destination device, wherein encoding the native media comprises:
 - assigning one of a plurality of prediction modes to a plurality of blocks of video data outside of the identified region; and
 - assigning a skip prediction mode to each of the plurality of blocks within the identified region of the media; and

outputting the frame of video data to a destination device to cause the identified at least one region to be visually frozen in the frame when the frame is output via the destination device.

11. The method of claim 10, wherein assigning one of a plurality of prediction modes to a plurality of blocks of video data outside of the identified region comprises assigning one or more prediction modes selected from the group consisting of:

- a split mode;
- the skip mode;
- a direct mode;
- an intra mode; and
- an inter mode.

12. The method of claim 1, wherein receiving the first media element and receiving the second media element comprises receiving the first and second media elements from one or more software applications executing on at least one computing device.

13. The method of claim 12, wherein the at least one software application comprises one or more software applications selected from the group consisting of:

- a video playback application;
- a photo viewing application;
- an audio playback application;
- a telephone application;
- a text messaging application;
- an electronic mail (email) application; and
- a game application.

14. A source device configured to mirror native media of the source device via a destination device, comprising:

- a mirroring module configured to:

- receive a first media element of the native media of the source device;

cause a destination device to mirror the native media comprising the first media element via an output interface associated with the destination device;

receive a second media element of the native media;

determine whether to cause the destination device to mirror the native media including the second media element based on at least one parameter associated with the second media element;

in response to determining to cause the destination device to not mirror the second media element, identify a region of the native media that corresponds to the second media element; and

cause the destination device to display, in the identified region, image data of a previous frame of image data, wherein the source device causes the destination device to display the image data of the previous frame of video data to prevent the destination device from displaying the second media element.

15. The device of claim 14, wherein the at least one parameter is based on user input.
16. The device of claim 15, wherein the at least one parameter is based on previously received user input stored in memory.
17. The device of claim 15, wherein the at least one parameter is based on dynamically determined user input received in response to receiving the second media element.
18. The device of claim 17, wherein the mirroring module is further configured to:

in response to receiving the second media element from at least one software application, provide a user with a user interface that enables the user to indicate whether to control the destination device to mirror the second media element.
19. The device of claim 14, wherein the mirroring module is further configured to:

cause the destination device to not mirror the second media element until it is determined whether to mirror the second media element based on the at least one parameter.

20. The device of claim 19, wherein the mirroring module is further configured to:
- cause the destination device to mirror other native media including the first media element while causing the destination device to not mirror the second media element.
21. The device of claim 20, wherein the mirroring module is further configured to:
- cause the destination device to mirror the first media element, based on reading at least some previously output media stored in memory.
22. The device of claim 19, wherein the mirroring module is further configured to:
- send, to the destination device, the media that includes the first media element, and does not include the second media element.
23. The device of claim 22, wherein the media comprises video media, and wherein the mirroring module is further configured to:
- encode the native media to generate mirrored media to be mirrored by the destination device, including:
 - assigning one of a plurality of prediction modes to a plurality of blocks of video data outside of the identified region; and
 - assigning a skip prediction mode to each of the plurality of blocks within the identified region of the media; and
 - outputting the frame of video data to a destination device to cause the identified at least one region to be visually frozen in the frame when the frame is output via the destination device.
24. The device of claim 23, wherein the mirroring module is further configured to:
- assign one of a plurality of prediction modes to each of a plurality of blocks of video data outside of the identified region selected from the group consisting of:
 - a split mode;
 - the skip mode;
 - a direct mode;
 - an intra mode; and

an inter mode.

25. The device of claim 14, wherein receiving the first media element and receiving the second media element comprises receiving the first and second media elements from one or more software applications executing on at least one computing device, and wherein the at least one software application comprises one or more software applications selected from the group consisting of:

- a video playback application;
- a photo viewing application;
- an audio playback application;
- a telephone application;
- a text messaging application;
- an electronic mail (email) application; and
- a game application.

26. A source device configured to mirror native media of the source device via a destination device, comprising:

- means for receiving a first media element of the native media of the source device;

- means for causing a destination device to mirror the native media comprising the first media element via an output interface associated with the destination device;

- means for receiving a second media element of the native media;

- means for determining whether to cause the destination device to mirror the native media including the second media element based on at least one parameter associated with the second media element; and

- means for identifying a region of the native media that corresponds to the second media element in response to determining to cause the destination device to not mirror the second media element; and

- means for causing the destination device to display, in the identified region, image data of a previous frame of image data, wherein the means for causing the destination device to display the image data of the previous frame of video data prevents the destination device from displaying the second media element.

27. The device of claim 26, further comprising:

means for determining the at least one parameter is based on user input.

28. The device of claim 27, further comprising:

means for determining the at least one parameter based on previously received user input stored in memory.

29. The device of claim 27, further comprising:

means for dynamically determining user input received in response to receiving the second media element.

30. The device of claim 29, further comprising:

means for, in response to receiving the second media element from at least one software application, providing a user with a user interface that enables the user to indicate whether to control the destination device to mirror the second media element.

31. The device of claim 29, further comprising:

means for causing the destination device to not mirror the second media element until it is determined whether to mirror the second media element based on the at least one parameter.

32. A method of encoding a frame of video data, the method comprising:

determining whether to cause a destination device to mirror a media element based on at least one parameter associated with the media element;

identifying at least one region of a frame of video data that corresponds to the media element;

assigning one of a plurality of prediction modes to each block of a plurality of blocks of video data in the video frame that reside outside of the identified at least one region; and

in response to determining to cause the destination device to not mirror the media element, assigning a skip prediction mode to each of the plurality of blocks within the identified at least one region; and

outputting the frame of video data to the destination device to cause the identified at least one region to be visually frozen in the frame when the frame is output via the destination device.

33. The method of claim 32, assigning one of a plurality of prediction modes to a plurality of blocks of video data outside of the identified region assigning one or more prediction modes selected from the group consisting of:

- a split mode;
- the skip mode;
- a direct mode;
- an intra mode; and
- an inter mode.

34. The method of claim 32, wherein identifying the at least one region of the frame of video data comprises identifying the at least one region to prevent the media element from being mirrored via the destination device along with other media native to the source device.

35. The method of claim 32, further comprising:

- assigning a skip prediction mode to each of the plurality of blocks within the at least one region comprises assigning the skip prediction mode to each of the blocks regardless of whether there are any differences between a respective block and a predictive block that may be used by a decoder to reconstruct the respective block.

36. A device configured to encode a frame of video data, comprising;

- a mirroring module configured to:

- determine whether to cause a destination device to mirror a media element based on at least one parameter associated with the media element;

- identify at least one region of a frame of video data that corresponds to the media element; and

- a video encoder configured to:

- assign one of a plurality of prediction modes to each block of a plurality of blocks of video data outside of the identified at least one region;
 - and

in response to determining to cause the destination device to not mirror the media element, assign a skip prediction mode to each of the plurality of blocks within the identified at least one region; and

output the frame of video data to the destination device to cause the identified at least one region to be visually frozen in the frame when the frame is output via the destination device.

37. The device of claim 36, wherein the video encoder is configured to assign one of a plurality of prediction modes to a plurality of blocks of video data outside of the identified region selected from the group consisting of:

- a split mode;
- the skip mode;
- a direct mode;
- an intra mode; and
- an inter mode.

38. The device of claim 36, wherein the mirroring module is further configured to identify the at least one region of the frame of video data based on identifying the at least one region to prevent media element being mirrored via the destination device along with other media native to the source device.

39. The device of claim 36, wherein the video encoder is further configured to:

assign a skip prediction mode to each of the plurality of blocks within the at least one region comprises assigning the skip prediction mode to each of the blocks regardless of whether there are any differences between a respective block and a predictive block that may be used by a decoder to reconstruct the respective block.

40. A device configured to encode a frame of video data, comprising:

- means for determining whether to cause a destination device to mirror a media element based on at least one parameter associated with the media element;
- means for identifying at least one region of a frame of video data that corresponds to the media element;
- means for assigning one of a plurality of prediction modes to each block of a

plurality of blocks of video data outside of the identified at least one region; and

means for assigning a skip prediction mode to each of the plurality of blocks within the identified at least one region in response to determining to cause the destination device to not mirror the media element;; and

means for outputting the frame of video data to the destination device to cause the identified at least one region to be visually frozen in the frame when the frame is output via the destination device.

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