

CLAIMS

1. A method for generating an image file based on one or more images, the method comprising:
 - 5 – inputting the one or more images;
 - identifying a property relating to each of the one or more images, and
 - generating the image file including at least (i) one or more properties which are identified and (ii) association information for associating identification information of each of the one or more
10 properties and identification information of each of the one or more images.
2. The method according to claim 1, wherein
 - 15 – the image file further includes “Item Info Box” for representing information for each of the one or more images, and
 - the association information for associating the identification information of each of the one or more properties and the identification information of each of the one or more images is
20 described in a predetermined box different from said “ItemInfoBox”.
3. The method according to claim 2, wherein “ispe” indicating a width and a height of the one or more images is described as said property in the
25 predetermined box which is different from said “ItemInfoBox”, and wherein the association information associates the identification information of each of the one or more images and the identification information of each of one or more “ispe”.
- 30 4. The method according to claim 2, wherein “hvcC” indicating decoder configuration of the one or more images is described as said property in the predetermined box which is different from said “ItemInfoBox”,

and wherein the association information associates the identification information of each of the one or more images and the identification information of each of one or more "hvcC".

- 5 5. The method according to claim 2, wherein the association information represents correspondence between identification information of one of the one or more properties which are identified and identification information corresponding to at least two images.
- 10 6. The method according to claim 3, wherein the image file is generated based on a plurality of single images.
7. The method according to claim 3, wherein the image file is generated based on a plurality of sub-images corresponding to a single image.
- 15 8. The method according to claim 3, wherein the image file comprises a metadata part and a media data part, and wherein both of the one or more properties and the association information are described in the metadata part.
- 20 9. The method of claim 1, wherein the identified properties are ordered, the identification information of each of the one or more properties corresponding to its order.
- 25 10. A device for generating an image file based on one or more images, the comprising comprising:
 - an input module for inputting the one or more images;
 - an identifier module for identifying a property relating to each of the one or more images, and
 - 30 – a generator module for generating the image file including at least (i) one or more properties which are identified and (ii) association information for associating identification information of each of the

one or more properties and identification information of each of the one or more images.

11. The device of claim 10, wherein

- 5 – the image file further includes “Item Info Box” for representing information for each of the one or more images, and
- the association information for associating the identification information of each of the one or more properties and the identification information of each of the one or more images is
- 10 described in a predetermined box different from said “ItemInfoBox”.

12. The device according to claim 11, wherein “ispe” indicating a width and a height of the one or more images is described as said property

15 in the predetermined box which is different from said “ItemInfoBox”, and wherein the association information associates the identification information of each of the one or more images and the identification information of each of one or more “ispe”.

20 13. The device according to claim 11, wherein “hvcC” indicating decoder configuration of the one or more images is described as said property in the predetermined box which is different from said “ItemInfoBox”, and wherein the association information associates the identification information of each of the one or more images and the identification

25 information of each of one or more “hvcC”.

14. The device according to claim 11, wherein the association information represents correspondence between identification information of one of the one or more properties which are identified and identification

30 information corresponding to at least two images.

15.A computer program product for a programmable apparatus, the computer program product comprising a sequence of instructions for implementing a method according to any one of claims 1 to 9, when loaded into and executed by the programmable apparatus.

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16.A computer-readable storage medium storing instructions of a computer program for implementing a method according to any one of claims 1 to 9.