DESCRIPTION

Title of Invention: IMAGE PROCESSING APPARATUS AND IMAGE PROCESSING METHOD

Technical Field

[0001]

The present disclosure relates to an image processing apparatus and an image processing method for generating image data for printing an image on a sheet stickable to a skin.

Background Art

[0002]

There is a conventional technique to make a discolored area of a skin, such as a spot on a cheek, inconspicuous (for example, see PTL 1). In a technique disclosed in PTL 1 (hereafter referred to as a "related technique"), a discolored area of a skin and a color of a non-discolored area are extracted from a photographed image of a skin, and the color of the non-discolored area is printed in an area, corresponding to the discolored area, of a sheet stickable to the skin. Such a related technique allows it to make a discolored area of a skin inconspicuous by performing a simple operation of sticking a sheet to the skin.

Citation List

Patent Literature

[0003]

PTL 1: Japanese Unexamined Patent Application Publication No. 2015-43836

Summary

[0004]

However, in addition to simply making a discolored area inconspicuous, it is also important to further take care of the discolored area after it has become inconspicuous. For example, in a case where a laser treatment is performed on a spot, an area where the spot originally existed gradually becomes inconspicuous. However, it is desirable to continuously take care of the area such that an external stimulus such as ultraviolet rays or the like to the area is reduced. Thus, it is desired to provide a technique capable of simply taking care of a discolored area which has become inconspicuous.

[0005]

The present disclosure provides an image processing apparatus and an image processing method capable of simply taking care of a discolored area which has become inconspicuous.

[0006]

The image processing apparatus provided in an aspect of the present disclosure is an image processing apparatus that generates image data for use in printing an image on a sheet stickable to a skin. The image processing apparatus includes an image acquirer that acquires a first skin image obtained by capturing an image of a skin at a first timing and a second skin image obtained by capturing an image of the skin at a second timing later than the first timing, an image analyzer that determines a discolored area extracted from the first skin image as a first discolored area and extracts a color of the skin from the second skin image, an image determiner that determines a cover area, to be covered with the sheet, in the second skin image based on the first discolored area and determines a color of the cover area based on the color of the skin, and a print controller that generates image data with a content for printing an image of the determined cover area on the sheet by using a coloring material of the determined color. According to the aspect of the present disclosure, it is possible to easily take care of a discolored area after the discolored area becomes inconspicuous.

Brief Description of Drawings

[0007]

[Fig. 1] Fig. 1 is a schematic diagram illustrating an outline of an example of a makeup assist system according to the present disclosure.

[Fig. 2] Fig. 2 is a block diagram illustrating an example of an image processing apparatus according to the present disclosure.

[Fig. 3] Fig. 3 is a flow chart illustrating an example of an overall operation of an image processing apparatus according to the present disclosure.

[Fig. 4] Fig. 4 is a diagram illustrating an example of a screen displayed in an image acquisition process according to the present disclosure.

[Fig. 5] Fig. 5 is a diagram illustrating an example of discolored area information according to the present disclosure.

[Fig. 6] Fig. 6 is a diagram illustrating an example of a screen displayed in a discolored area extraction process according to the present disclosure.

[Fig. 7] Fig. 7 is a diagram illustrating an example of a threshold value according to