CLAIMS

1. An information processing apparatus comprising: a processor configured to:

acquire, through an image interface and from an image input device, a display screen image, the display screen image being generated by the image input device based on a first captured image of a plurality of captured images output from an image acquisition device, wherein recognition of a character string included in the first captured image according to a first algorithm fails, and a resolution of the display screen image is lower than a resolution of the first captured image;

acquire, from the image acquisition device through a communication interface, a subset of the plurality of captured images output from the image acquisition device as search candidates based on a time at which the display screen image was acquired, the subset of captured images being captured in a predetermined period determined based on a time at which the first captured image was captured, the time at which the first captured image was captured being determined based on the time at which the display screen image was acquired;

search the search candidates for a second captured image that matches the display screen image based on a degree of similarity of the images;

acquire the character string included in the first captured image based on a result of the character

recognition processing of the second captured image according to a second algorithm different from the first algorithm; and

input the character string to the image input device through an input interface.

2. The information processing apparatus according to claim 1, wherein the processor is further configured to:

transmit and receive data to and from a recognition apparatus through the communication interface, and

the processor is configured to acquire the second captured image and the character string based on the result of the character recognition processing of the second captured image from the recognition apparatus through the communication interface.

3. The information processing apparatus according to claim 1 or 2, wherein an image resolution of the character string included in the display screen image is lower than an image resolution of the character string included in the second captured image.

4. The information processing apparatus according to any one of claims 1 to 3, wherein the processor is configured to input an operation signal indicating a key input operation for inputting the character string through the input interface.

5. The information processing apparatus according to any one of claims 1 to 4, comprising:

an operation unit interface connected to an operation

unit; and

a display interface connected to a display,

wherein the processor is configured to, if the processor fails to find the second captured image that matches the first captured image corresponding to the display screen image, display the display screen image on the display through the display interface, and input an operation signal indicating an operation that is input to the operation unit to the image input device through the input interface.

6. The information processing apparatus according to any one of claims 1 to 5, wherein

the first captured image is an image obtained by capturing an image of a surface of an article on which a destination is written, and

the processor is configured to input the destination as the character string through the input interface.

7. A system comprising a recognition apparatus and an information processing apparatus, wherein

the recognition apparatus includes a first processor configured to:

acquire a plurality of captured images from an image acquisition device through an image acquisition device interface;

transmit and receive data to and from the information processing apparatus through a first communication interface;

perform character recognition processing on the plurality of captured images according to a second algorithm different from a first algorithm; and

transmit the plurality of captured images and character strings based on a result of the character recognition processing to the information processing apparatus through the first communication interface, and

the information processing apparatus includes a second processor configured to:

acquire, through an image interface and from an image input device, a display screen image, the display screen image being generated by the image input device based on a first captured image of the plurality of captured images output from the image acquisition device, wherein recognition of a character string included in the first captured image according to the first algorithm fails, and a resolution of the display screen image is lower than a resolution of the first captured image;

transmit and receive data to and from the recognition apparatus through a second communication interface;

acquire a subset of the plurality of captured images as search candidates from the recognition apparatus through the second communication interface based on a time at which the display screen image was acquired, the subset of captured images being captured in a predetermined period determined based on a time at which the first captured image was captured, the time at which the first captured

image was captured being determined based on the time at which the display screen image was acquired;

search the search candidates for a second captured image that matches the display screen image based on a degree of similarity of the images;

acquire the character string included in the first captured image based on the result of the character recognition processing of the second captured image from the recognition apparatus through the second communication interface; and

input the character string to the image input device through an input interface.

8. A control method executed by a processor, the method comprising:

performing character recognition processing on a plurality of captured images according to a second algorithm different from a first algorithm;

acquiring a display screen image from an image input device, the display screen image being generated by the image input device based on a first captured image of a plurality of captured images output from an image acquisition device, wherein recognition of a character string included in the first captured image according to the first algorithm fails, and a resolution of the display screen image is lower than a resolution of the first captured image;

acquiring, from the image acquisition device, a subset

of the plurality of captured images as search candidates based on a time at which the display screen image was acquired, the subset of captured images being captured in a predetermined period determined based on a time at which the first captured image was captured, the time at which the first captured image was captured being determined based on the time at which the display screen image was acquired;

searching search candidates for a second captured image that matches the display screen image based on a degree of similarity of the images; acquiring a character string included in the first captured image based on a result of the character recognition processing of the second captured image according to the second algorithm; and

inputting, to the image input device, the character string based on a result of the character recognition processing of the searched for captured image.