Identity Mobile User Manual

Version 6.0

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Contents

1. Identity

For general and detailed information about the Product environment and the instructions for use of the Mobile Launcher software, see the specific documents of the Product. The knowledge and understanding of these documents is mandatory for an appropriate and safe use of the Identity Mobile, described in this document.

1.1 Introduction

The Identity module allows users to establish or delete the assignment of one or more devices to a patient. The Identity module satisfies the need to dispose of devices usually not associated with a bed and that can be moved around changing their association.
The Identity module establishes a temporary association between patient and devices by means of barcodes / NFC tags associated to patient / devices.
The barcodes / NFC tags of patients shall contain the **PatientCode** provided by the Healthcare Organization.
The barcode / NFC tags of devices shall contain the **device label** provided by the Healthcare Organization (read the Server Installation and Operation manual for a detailed description of the device label configuration).

The definition of the device label and the production of barcodes / NFC tags for patients and devices is under the responsibility of Healthcare Organization.

Identity does not work when patient anonymization is enabled, i.e. it cannot be used on patients whose personal data are not available for the current user because in these conditions a safe patient identification could not be performed.
For the same reason, Identity cannot be used if no user is logged in.
External events triggering user disconnection will also trigger the deselection of the module

The user shall provide authorization for camera and/or NFC before using the Identity Mobile app. Specific messages or warnings are provided to focus the user attention on this topic.

Wireless infusion pumps are automatically disconnected from the patient when out of Wi-Fi coverage or powered off for more than the number of seconds specified in the configuration option “PatientDeviceAssocTimeout”.

It is necessary to associate the wireless infusion pump to the patient every time a new infusion is started.

If a patient is discharged and then readmitted, the devices remain associated to the previous patient admission. Use the Identity module to associate the devices to the most recent patient admission.

1.2 Application Start-Up

To launch the Identity module

- Tap the corresponding row on the Mobile Launcher main screen (Fig 1):

Fig 1

1.2.1 Main view

The Identity main view is divided in two tabs that can be selected using the filter in Fig 2 **A**:

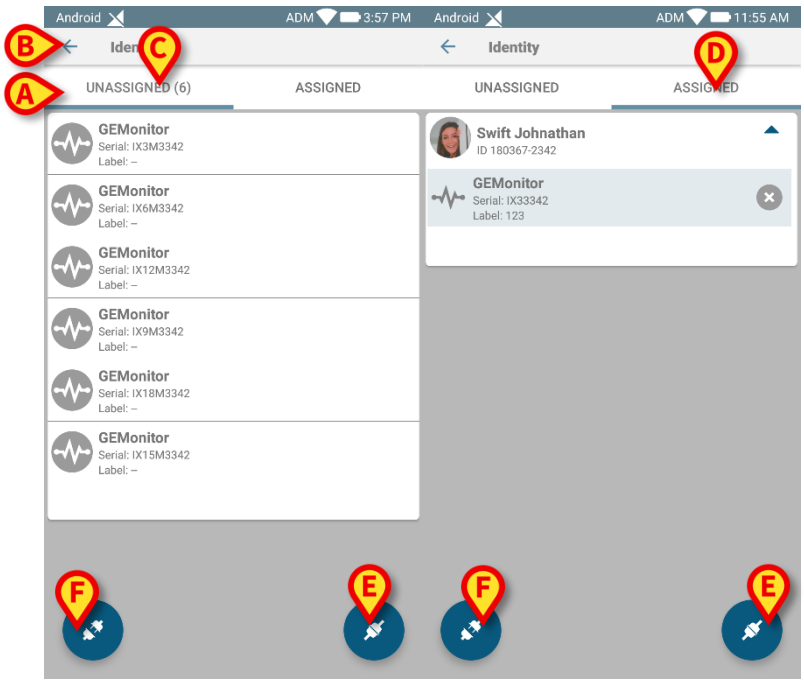

Fig 2

The first tab shows the list of unassigned devices (Fig 2 **C**), while the second one shows the current status of the assigned devices (Fig 2 **D**).

At the bottom of the main view there are two icons (and). Tapping on the first one (Fig 2 **E**) the process to establish the association between patient and device will be started; tapping on the second one (Fig 2 **F**) the process to delete the association between patient and device will be started.

1.2.2 List of unassigned device

In Fig 2 **C**, each item in the list is related to an unassigned device. In Fig 3 an unassigned device is considered.

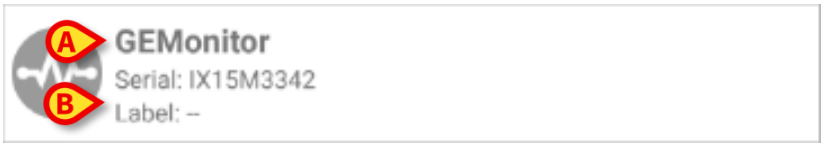

Fig 3

An icon represents the device type: if it is known, these symbols are the same ones used in the Smart Central module for the device connected to patient. It is also shown the device name (Fig 3 **A**), the serial number and the label (if available - Fig 3 **B**). The label is the device code used to identify the device.

1.2.3 List of assigned device

In Fig 2 **D**, each item in the list is related to a patient. In Fig 4 is considered a patient to which is associated an assigned device.

Fig 4

In Fig 4 the patient name (Fig 4 **A**) and the patient identification code (Fig 4 **B**) are displayed. By clicking on the patient row it is possible to expand the list of all devices associated to the patient (Fig 4 **C**). Each associated device has an icon representing its type, name, serial number and the label.
A ⊗ icon on the right (Fig 4 **D**) allows the quick disassociation of the device from the patient.

1.3 Set association workflow

The process establishing the association between patient and devices is detailed as follows:

1. Start of the process from the main screen;
2. Patient identification (via barcode or NFC tag);
3. Confirmation of identified patient;
4. Device identification (via barcode or NFC tag);
5. Confirmation of identified device.

1.3.1 Start of the process

In the main screen of the Identity module, the user has to click on the icon (Fig 5 **A**):

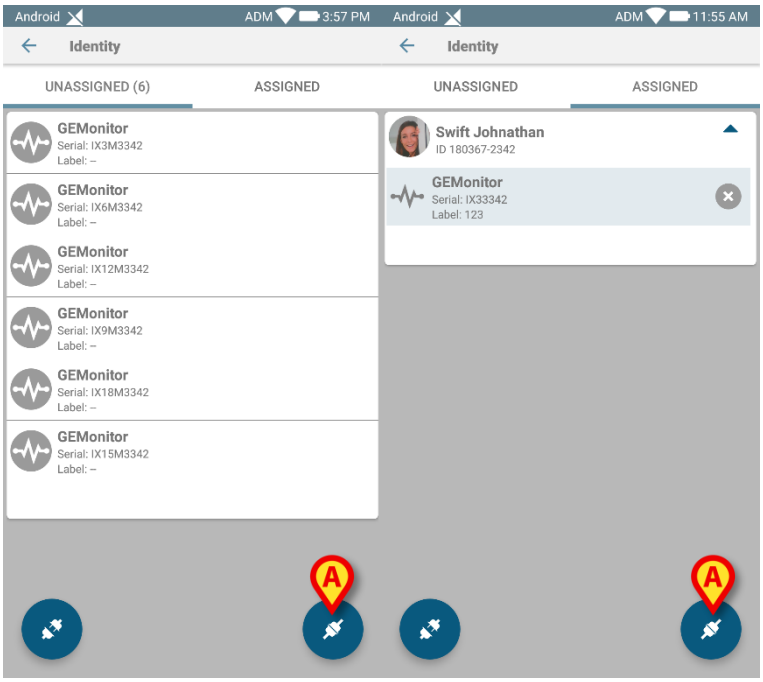

Fig 5

The association process is now started: the user has to identify the patient for which the association is requested.

1.3.2 Identification of the patient

According to the configuration in use, it is possible to identify patients scanning their barcode or their NFC tag. A message is displayed reminding which kind of barcode / NFC tag is going to be scanned (if patient or device).

Fig 6 shows the screen view of the barcode scanning for Myco 3 devices; Fig 7 shows the screen view of the barcode scanning for non Myco 3 devices. No scanning button is present in the former because the mobile device has a physical button for the purpose. Fig 8 shows the screen view of the NFC tag scanning.

Touch the buttons indicated in Fig 6 **A**, Fig 7 **A** or Fig 8 **A** to stop the identification procedure.

Fig 6

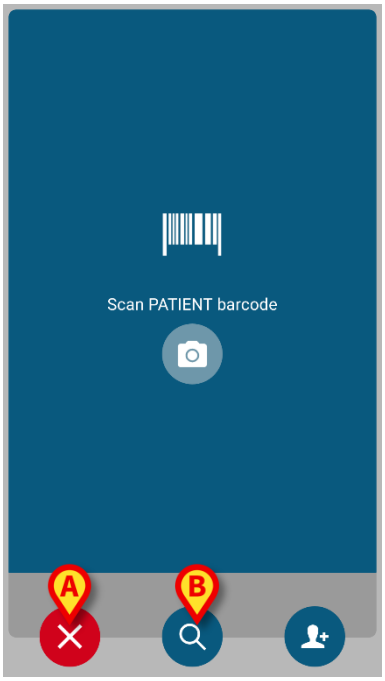

Fig 7

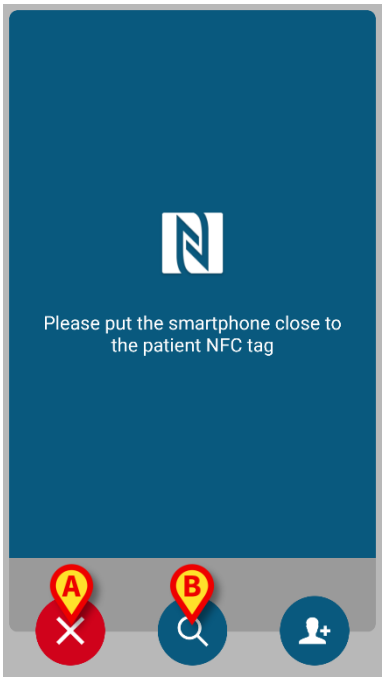

Fig 8

If the patient identification is not possible, a notification is shown to inform the user.

In addition to barcode or NFC tag scanning, the user can perform a textual search for the patient by touching the icon in Fig 6 **B**, Fig 7 **B** or Fig 8 **B**. The following window opens:

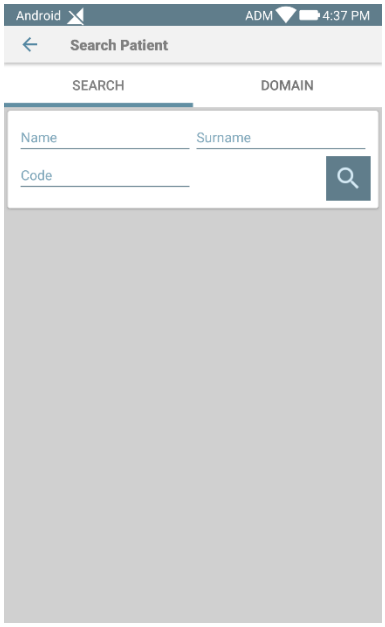

Fig 9

Please refer to Mobile Launcher User Manual (*USR ENG Mobile Launcher*) for a more detailed description of patient search.

1.3.3 Confirmation of patient identification

A screen view is provided for the user showing the patient main data and a photo of the patient (if available; otherwise, a generic icon is displayed - Fig 10):

- Patient name, birth date, age, sex, identification code (Fig 10 **A**);
- Patient photo (Fig 10 **B**).

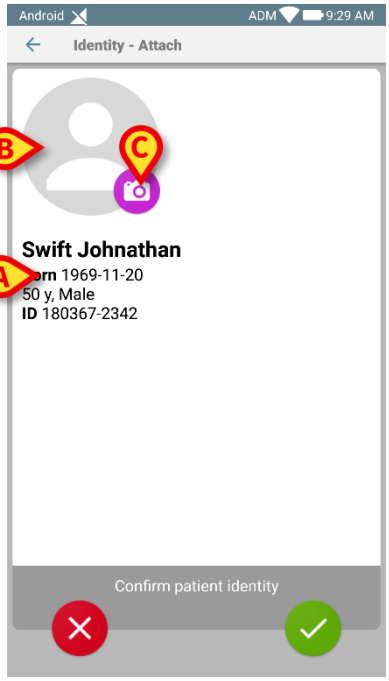

Fig 10

If patient photo is missing, you can touch the button indicated in Fig 10 **C** to take a new one. The new photo can be adapted/trimmed to fit the area. Fig 11 shows the screen of a high resolution screen device (i.e. not a Myco 2).

Fig 11

By design, any change can be made with one finger. The user can move the lattice area by touching and dragging the center of the lattice (Fig 11 **A**). The user can also change the lattice area size by touching and dragging the bottom right corner (Fig 11 **B**). Also, the user can rotate the picture (Fig 11 **C**) or flip it (Fig 11 **D** – a menu allows to choose if horizontally or vertically). After the changes, the user can confirm them by touching the icon in Fig 11 **E**.
Fig 12 shows three screenshots taken during the same operations performed on Myco 2 devices (i.e. low resolution screens). The only difference is that the user can perform rotation/flip operations by means of the button in the red circle in Fig 12 **F**.

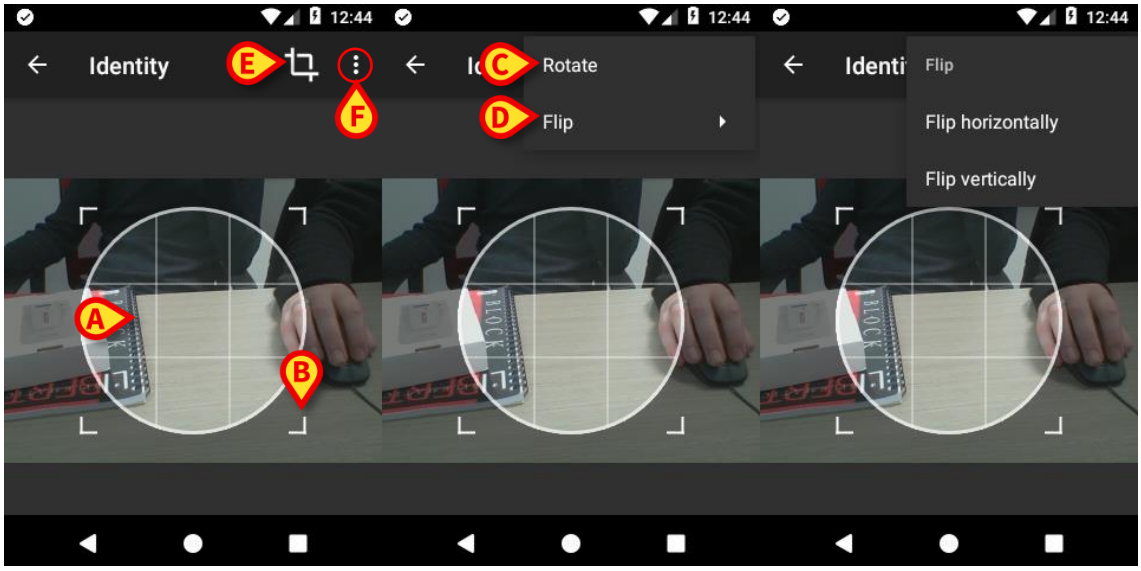

Fig 12

It is possible to delete the patient photo by long touching it.
The user can deny or confirm the suggested patient identification by touching the buttons in Fig 13 **D** or Fig 13 **E**. If the patient identification is denied, then the procedure is deleted. If the user has updated the patient photo and the patient identification is denied, then the patient photo update is also denied.

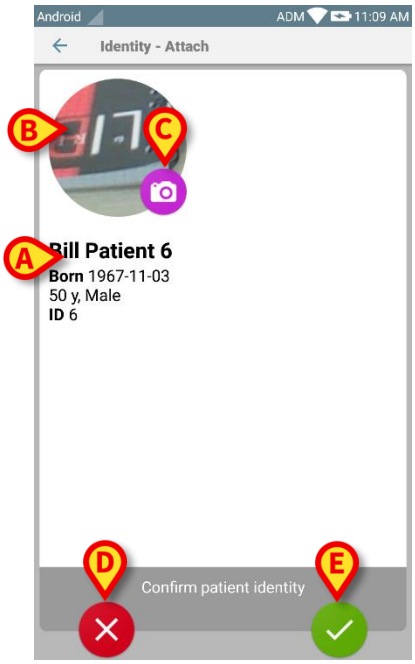

Fig 13

After the confirmation of the patient identification, the user shall identify one or more devices to be associated (or disassociated).

1.3.4 Device identification

The device identification is performed according to the same procedure of the patient identification (see paragraph 1.3.2). Once the patient identification is confirmed, the following picture is automatically displayed.

Fig 14 shows the screen view of the barcode scanning for Myco 3 devices; Fig 15 shows the screen view of the barcode scanning for non Myco 3 devices. No scanning button is present in the former because the mobile device has a physical button for the purpose. Fig 16 shows the screen view of the NFC tag scanning.

Touch the buttons indicated in Fig 14 **A**, Fig 15 **A** or Fig 16 **A** to stop the identification procedure

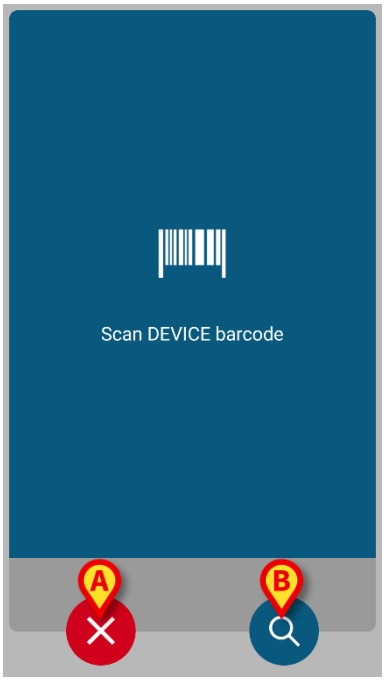

Fig 14

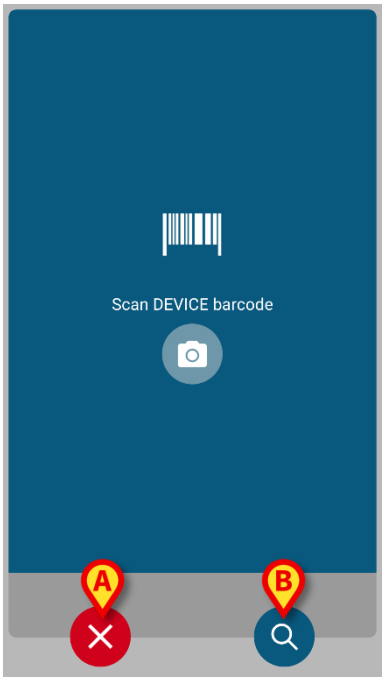

Fig 15

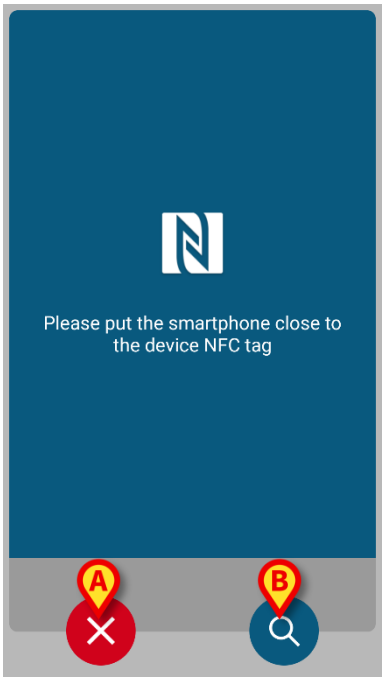

Fig 16

In addition to barcode or NFC tag scanning, the user can perform a textual search for the device by touching the icon in Fig 14 **B**, Fig 15 **B** or Fig 16 **B**. The following window opens:

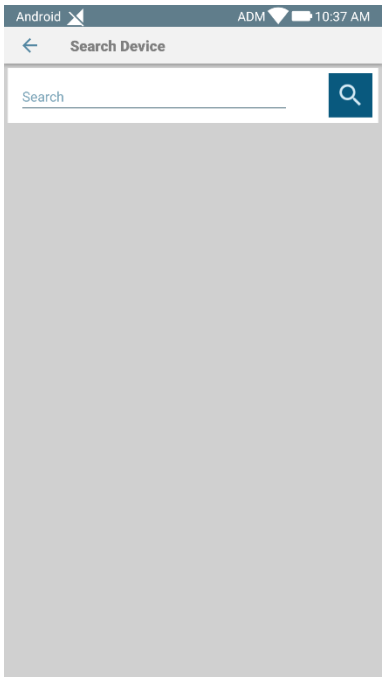

Fig 17

If the device identification is not possible (i.e.: device is not found or device associated to another patient), the procedure is stopped.

1.3.5 Confirmation of device identification

A screen view is provided for the user, showing the device main data (Fig 18 **A**) and an image of the device (if available; otherwise, a generic icon is displayed - Fig 18 **B**). In Fig 18 **C** it is shown the name of the patient with which the association has to be set (or unset; see paragraph 1.4). If set in the current configuration, the real time data provided by the device can be displayed on screen (Fig 18 **D**); if no data are coming from the device an error string is shown.
In Fig 18 three buttons are present. With the button in Fig 18 **E** it is possible to deny the device identification and go back to the device search. With the button in Fig 18 **F** it is possible to confirm the device identification and then conclude the association procedure. With the button in Fig 18 **G** it is possible to confirm the device identification and go back to identify a new device.

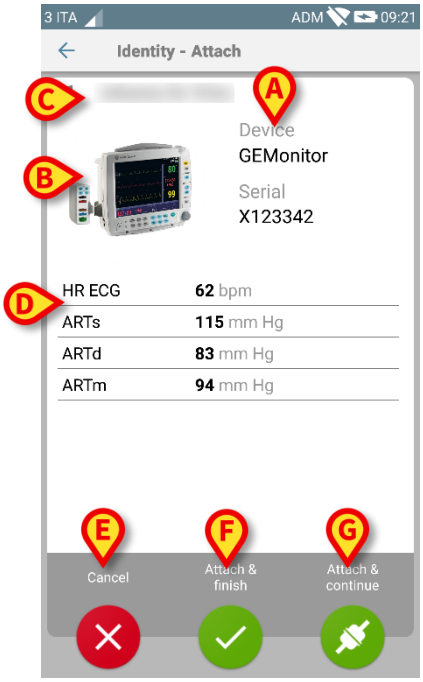

Fig 18

1.4 Association procedure for unknown patient

It is possible to associate devices to a patient that has not been admitted yet or that has been admitted but personal data like name are still not saved and is therefore unknown to the healthcare organization systems:

To do that:

- Tap the icon indicated in Fig 5 **A**.

The following screen is displayed (Fig 19, or the one related to NFC tag scan, depending on configuration).

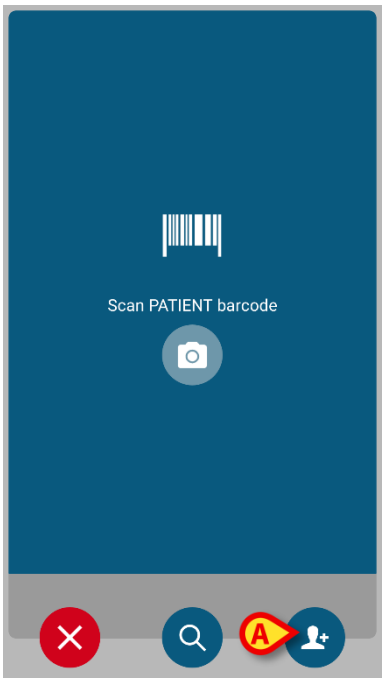

Fig 19

- Tap the icon indicated in Fig 19 **A**.

The following screen is displayed (Fig 20)

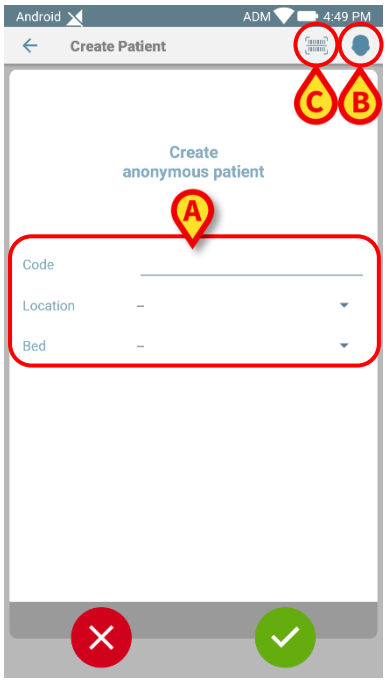

Fig 20

In case the patient is already in bed (i.e. its admission was completed but no name was saved):

- Insert the patient location and bed (Fig 20 **A**).

In case the patient is not in bed (i.e. its admission is still ongoing):

- Touch the “Create Patient” icon (Fig 20 **B**).

The following screen is shown.

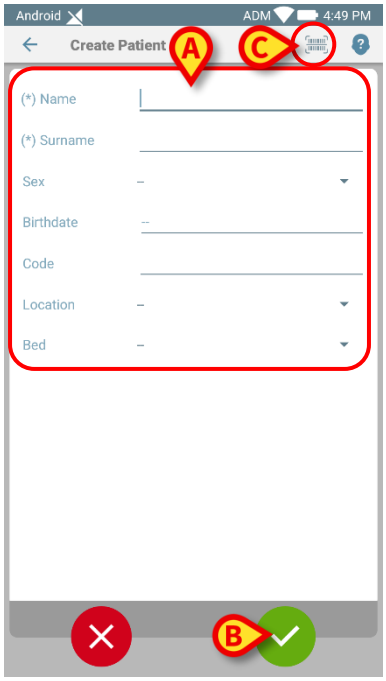

Fig 21

Name and **Surname** fields are mandatory.

- Insert the requested data, like patient name and surname, sex, birthdate, bed and location (if available – Fig 21 **A**);
- Touch the button (Fig 20 **C** - Fig 21 **C**) to acquire the patient barcode (or NFC scheme), if available. The NHS patient code could be this way retrieved, for example. A screen like the ones displayed in Fig 6, Fig 7 or Fig 8 will be displayed.
- Tap the icon when done (Fig 21 **B**).

The following screen is displayed, summarizing the inserted patient data (Fig 22).

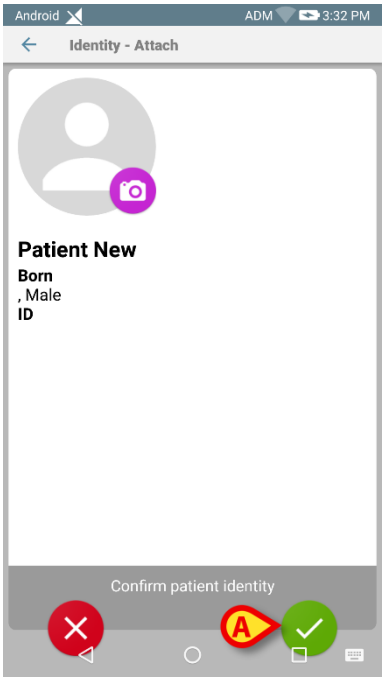

Fig 22

- Tap the icon to confirm (Fig 22 **A**).

It is now possible to select a device to be associated to the new patient. The device association procedure is the same described above (from paragraph 1.3.1 on).

The patient data inserted using the procedure here described is temporary and should be reconciled with the actual one. See the Patient Explorer user manual (USR ENG Patient Explorer) for the Reconciliation procedure.

1.5 Unset association workflow

The patient-device disassociation process is detailed as follows:

1. Start of the process from the main screen;
2. Device identification (via barcode or NFC tag);
3. Confirmation of device identified;
4. Further identification of other devices (repeat steps 2 and 3);
5. End of process.

1.5.1 Start of the process

In the main screen of the Identity module, the user has to click on the icon (Fig 23 **A**):

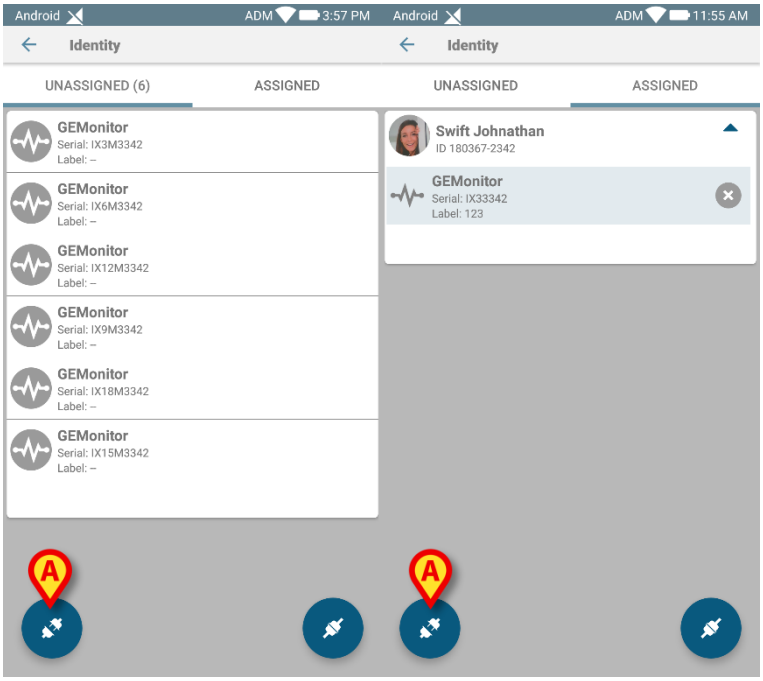

Fig 23

The cancellation of the association is now started: the user has to identify the device for which the association cancellation is requested.

1.5.2 Device identification

The device identification is described in paragraph 1.3.4.

1.5.3 Confirmation of device identification

The procedure to confirm the device identification is the same described in paragraph 1.3.5. The button labels are slightly different (Fig 24):

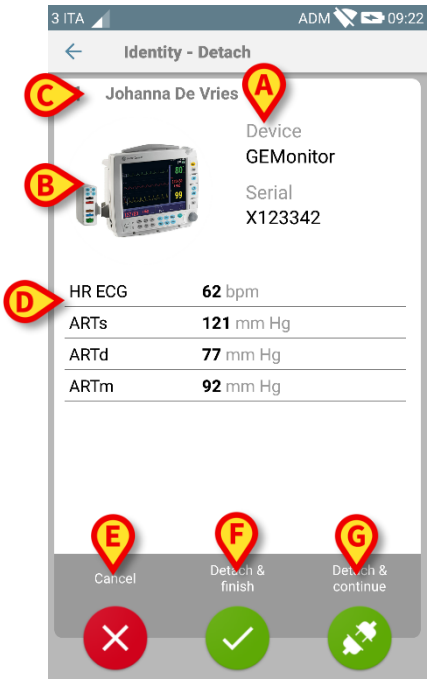

Fig 24

1.6 Annex – Examples of user procedures

1.6.1 Application selection

To select the **Identity** application:

➢ Tap the corresponding row on the Mobile Launcher screen (Fig 1 **A**).

The Identity screen opens (Fig 2). The screen lists the unassigned devices. Each tile corresponds to a device.

1.6.2 Device - Patient association procedure

To associate a device to a patient

1. Tap the icon (Fig 2 **B**). A screen making it possible to identify the patient is displayed (Fig 3). Patient identification can be performed via:
   - Patient barcode scan.
   - Patient NFC tag scan (analogous screen, slightly different).
   - Textual search. To perform the textual search tap the icon. See section “Textual Search - Patient” for further instructions.
2. Identify the patient. A screen summarizing the patient data is displayed (Fig 4).
3. Tap the icon to confirm patient data (Fig 4 **C**). A screen making it possible to select the device is displayed (Fig 5).

Device identification can be performed via:

- Device barcode scan.
- Device NFC tag scan (analogous screen, slightly different).
- Textual search. To perform the textual search tap the icon. See section “Textual Search - Device” for further instructions.

4. Identify the Device. A screen summarizing the device data is displayed (Fig 6).
5. Tap the icon (Fig 6 **D**) to confirm the association and complete the procedure.

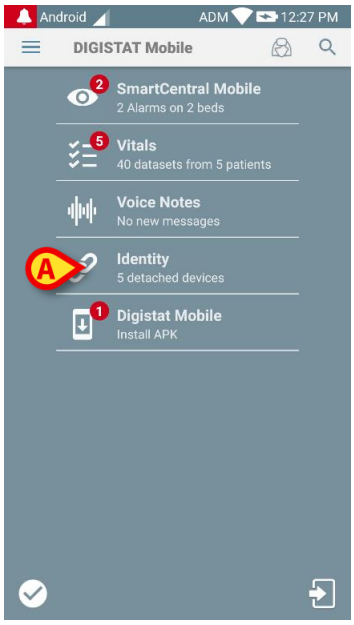

Fig 1

Fig 2

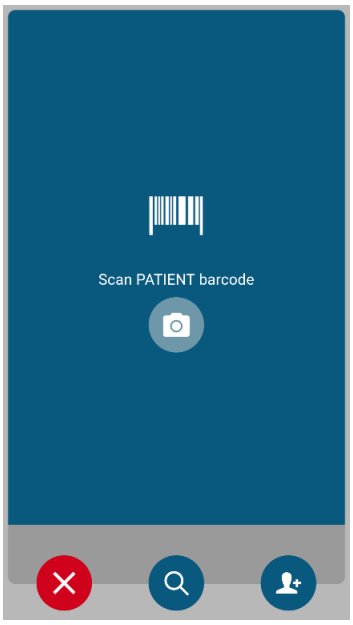

Fig 3

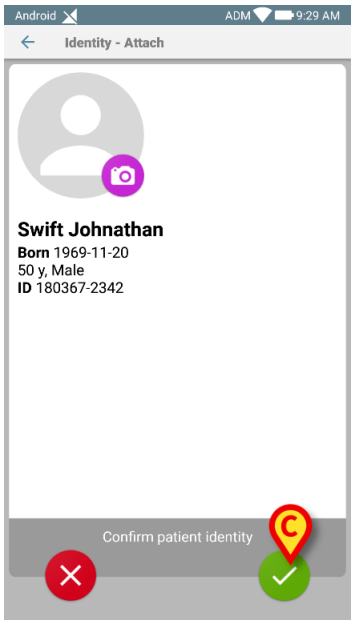

Fig 4

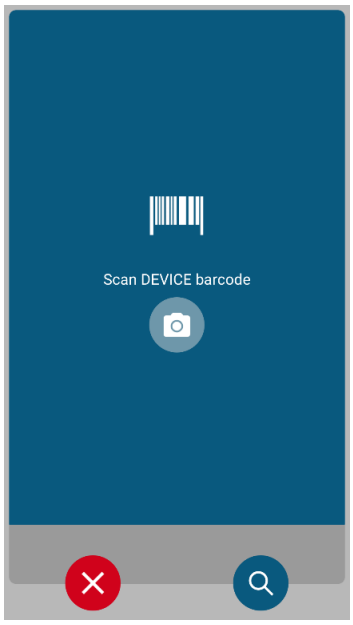

Fig 5

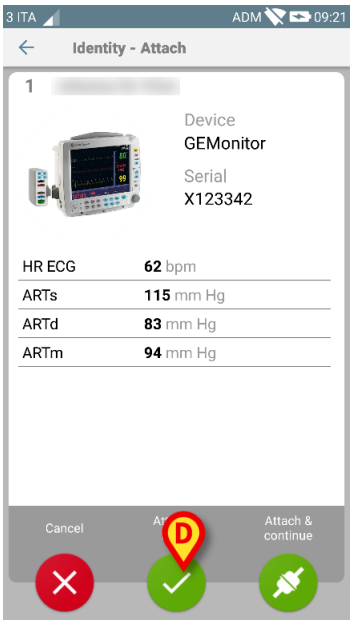

Fig 6

1.6.3 Disassociation procedure

To disassociate a patient and a device:

1 Tap the "**Assigned**" tab on the application start screen (Fig 7 **A**).
2 Tap the  icon (Fig 7 **B**). The device identification screen (Fig 8) is displayed.
3 Identify the Device. The device confirmation screen is displayed (Fig 9).
4 Tap the  icon to confirm the disassociation (Fig 9 **C**).

1.6.4 Association procedure for unknown patient

It is possible to associate devices to a patient that has not been admitted yet or whose personal data are not available. To do that, on the patient selection screen:

1 Tap the  icon (Fig 10 **A**). The screen shown in Fig 11 is displayed.

Two cases are possible:

First Case - If the patient is already in bed (i.e. their admission was completed but their personal data are not available):

2 Insert the patient location and bed (Fig 11 **B**).
3 Tap the  icon to confirm (Fig 11 **C**).

Second Case - If the patient has not been admitted:

2 Tap the "Create Patient" icon (Fig 11 **D**). The screen shown in Fig 12 is displayed.
3 Enter patient data (Fig 12 **E**). Name and Surname are mandatory fields.
4 Tap the  icon to confirm (Fig 12 **F**).

According to the Product configuration, it is possible that patient data inserted using the procedure here described is temporary. Therefore, temporary data shall be reconciled with the actual one as soon as possible. The reconcilation procedure changes according to the configuration in use. Refer to the system administrators for more instructions.

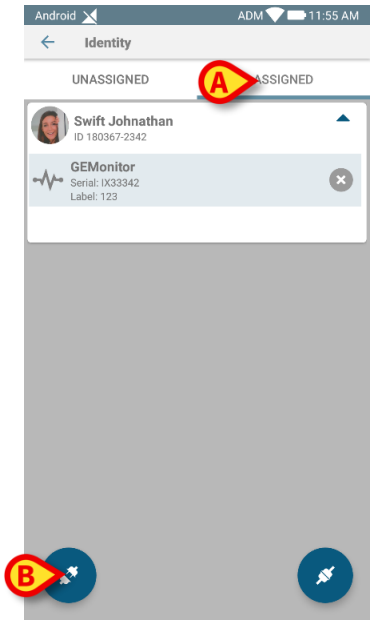

Fig 7

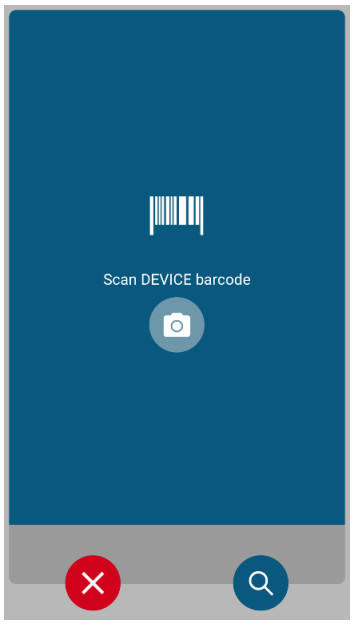

Fig 8

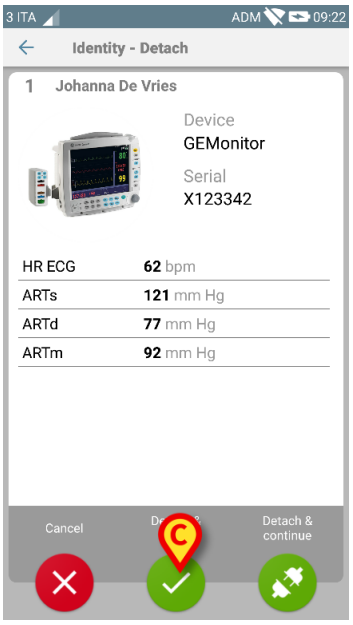

Fig 9

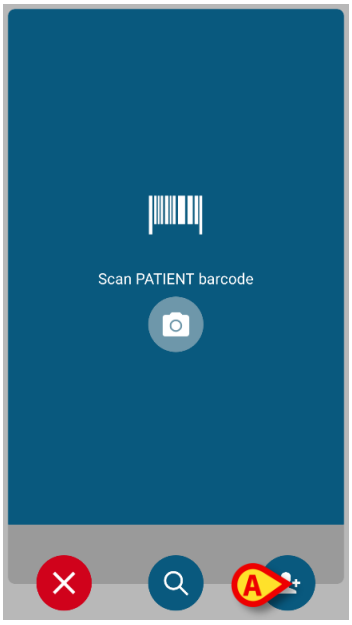

Fig 10

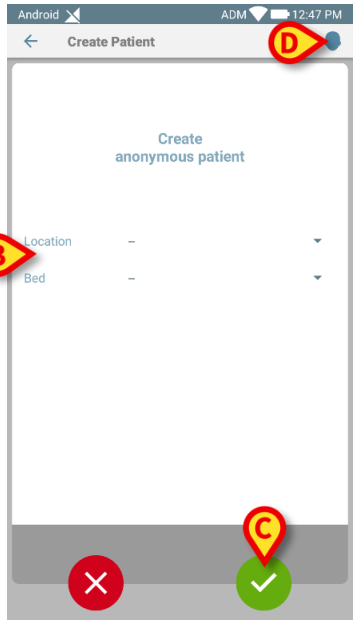

Fig 11

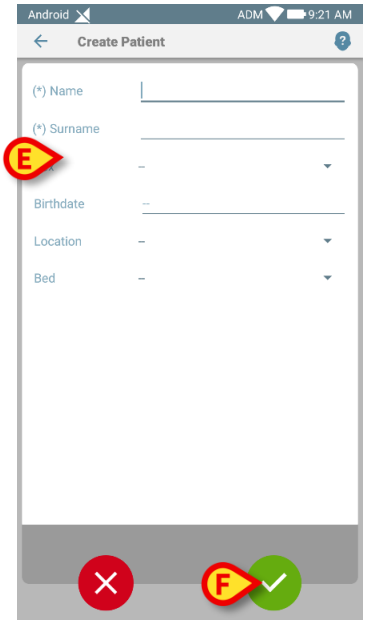

Fig 12

1.6.5 Textual search: Patient

If neither barcode nor NFC functionalities are available for a patient, it is possible to use a textual search tool to select the patient. To access this tool:

1 Tap the icon on the patient selection screen (Fig 13 **A**). The screen shown in Fig 14 is displayed.

2 Insert the patient data in the search fields (Fig 14 **B**).

3 Tap the icon (Fig 14 **C**).

4 The list of results is displayed (Fig 15).

5 Tap the row corresponding to the wanted patient to select it (Fig 15 **D**).

Confirmation is required. The screen shown in Fig 16 is displayed.

6 Tap the icon to confirm (**E**).

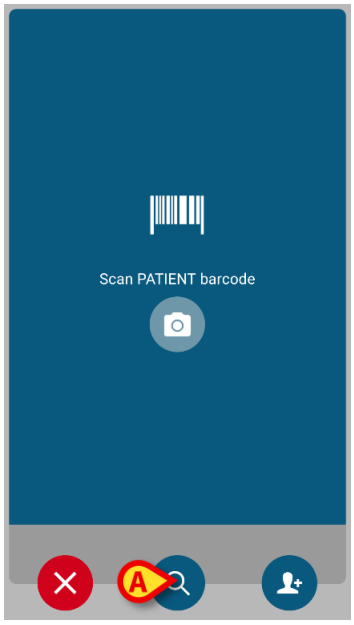

Fig 13

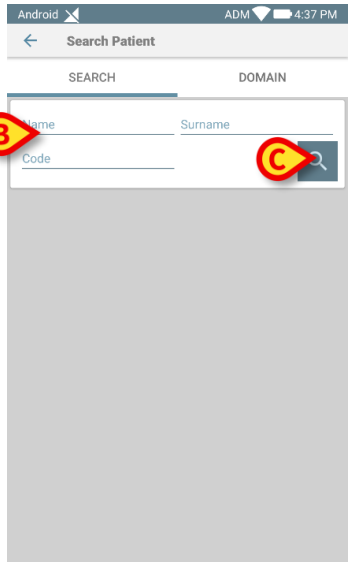

Fig 14

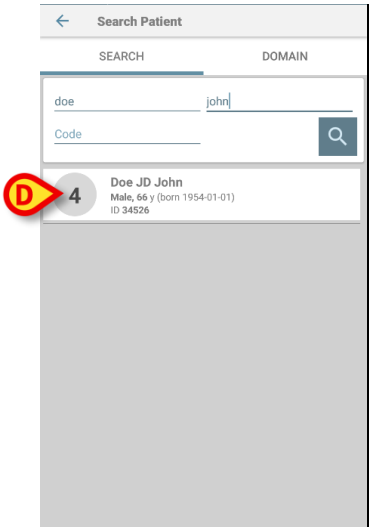

Fig 15

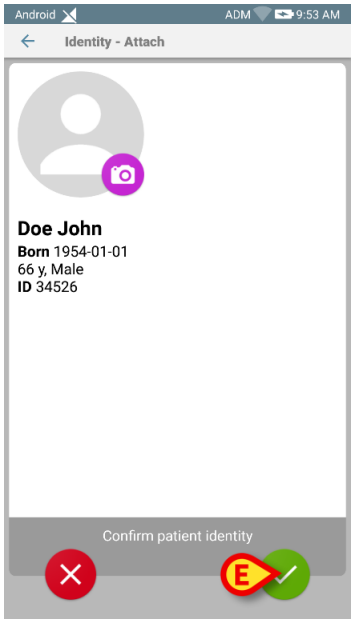

Fig 16

1.6.6 Textual search: Device

If neither barcode nor NFC functionalities are available for a device, it is possible to use a textual search tool to select the device. To access this tool:

1 Tap the icon on the device selection screen (Fig 17 **A**). The screen shown in Fig 18 is displayed.

2 Insert the device data in the search field (Fig 18 **B**).

3 Tap the icon (Fig 18 **C**).

4 The list of results is displayed (Fig 19).

5 Tap the row corresponding to the wanted device to select it (Fig 19 **D**). Confirmation is required. The screen shown in Fig 20 is displayed.

6 Tap the icon to confirm (Fig 20 **E**).

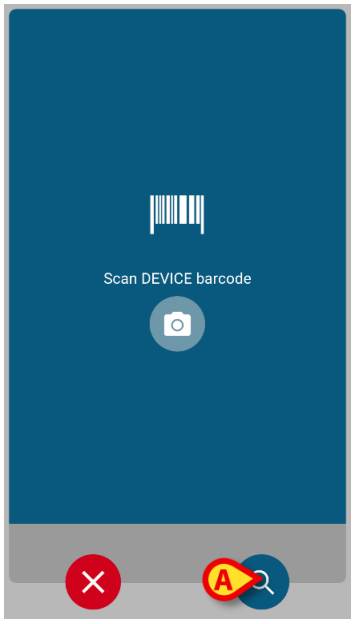

Fig 17

Fig 18

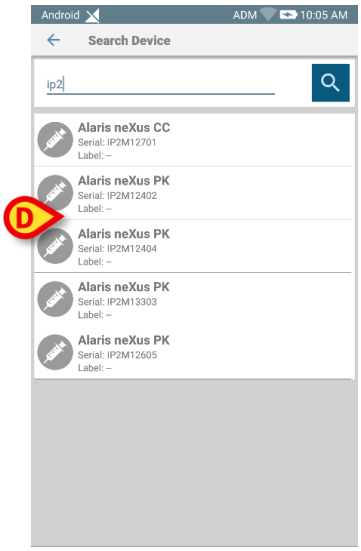

Fig 19

Fig 20