CLAIMS

1. Mobile device (MD) comprising a visual input device (C) for capturing external visual information (image; B,L,F) comprising real visual background information (L,F), a processing device (PD) for associating a selected application with the external visual information (image), and for executing of the selected application based on the external visual information (image) and on user-related input information , and for generating a visual output signal (P(n+1))related to at least one virtual visual object (VVO(n+1)) in response to said application

characterized in that

said processing device (PD) is further adapted to provide said visual output signal (P(n+1)) to a projector device (P) included within said mobile device (MD) such that said projector device (P) will be adapted to project said visual output signal (P(n+1)) related to said at least one virtual visual object (VVO(n+1)) onto said visual background, thereby modifying said external visual information.

2. Mobile device (MD) according to claim 1 wherein said user-related input information comprises visual information (L,F) included in said real visual background information (VBI(n+1)) .

3. Mobile device (MD)according to claim 1 or 2 wherein said user-related input information comprises movement information detected by a movement detector (D) incorporated within said mobile device (MD) and adapted to determine a movement of said mobile device (MD) with respect to said visual background .

4. Mobile device (MD) according to any of the claims 1 to 3 wherein said processing device (PD) is further adapted to discriminate from said external visual information (image) received from said visual input device (C), said real

visual background information (VBI(n+1)) and at least one virtual visual object (VVO(n)) earlier projected onto said background.

5. Mobile device (MD) according to claim 4 wherein said processing device (PD) is further adapted to analyze said at least one virtual visual object (VVO(n)) and said real visual background information (VBI(n+1)) so as to determine from them metadata information (M(n)) .

6. Mobile device (MD) according to claim 5 wherein said processing device (PD) is further adapted to execute said selected application based upon said metadata information.

7. Mobile device (MD) according to any of the previous claims 1 to 6 wherein said processing (PD) device is adapted to generate a second visual output signal (S(n+1)) related to said at least one virtual visual object (VVO(n+1)) for provision to a display (S) comprised in said mobile device (MD).

8.Mobile device (MD) according to claim 7 wherein said processing device (PD) is further adapted to generate said second visual output signal (S(n+1)) as comprising said at least one virtual visual object (VVO(n+1)) overlaying said background information (VBI(n+1)).

9. Mobile device (MD) according to any of the previous claims 1 to 6 wherein said processing device is further adapted to generate said second visual output signal (S(n+1))as comprising at least one other virtual visual object (VVOS(n+1)) .

10. Mobile device (MD) according to claims 7 and 8 wherein said processing device (PD) is further adapted to generate said second visual output signal (S(n+1)) as comprising said at least one virtual visual object (VVO(n+1))

overlaying said at least one other virtual visual object (VVOS(n+1)) generated by said application and/or said background information (VBI(n+1)).

CLAIMS

1. Mobile device (MD) comprising a visual input device (C) for capturing external visual information (image; B,L,F) comprising real visual background information (L,F), a processing device (PD) for associating a selected application with the external visual information (image), and for executing of the selected application based on the external visual information (image) and on user-related input information , and for generating a visual output signal (P(n+1)) related to at least one virtual visual object (VVO(n+1)) in response to said application

characterized in that

said processing device (PD) is further adapted to provide said visual output signal (P(n+1)) to a projector device (P) included within said mobile device (MD) such that said projector device (P) will be adapted to project said visual output signal (P(n+1)) related to said at least one virtual visual object (VVO(n+1)) onto said visual background, thereby modifying said external visual information; wherein said processing (PD) device is adapted to generate a second visual output signal (S(n+1)) related to said at least one virtual visual object (VVO(n+1)) for provision to a display (S) comprised in said mobile device (MD); wherein said processing device (PD) is further adapted to generate said second visual output signal (S(n+1)) as comprising said at least one virtual visual object (VVO(n+1)) overlaying said background information (VBI(n+1)); and wherein said processing device (PD) is further adapted to generate said second visual output signal (S(n+1)) as comprising said at least one virtual visual object (VVO(n+1)) overlaying said at least one other virtual visual object (VVOS(n+1)) generated by said application and/or said background information (VBI(n+1)).