Claims

1. A device for detecting on a bag (100), visual characteristics capable of distinguishing it from another bag, the device comprising a bag support and at least one acquisition member for acquiring images of the bag along at least two shooting directions that are inclined relative to each other, the acquisition member being connected to an image processing computer unit (2) programmed to control the acquisition member and to extract characteristics representative of the baggage from the images, the acquisition member comprising at least two optical sensors (3.1, 3.2, 4.1, 4.2) connected to the image processing computer unit (2) and each mounted on a post (5.1, 5.2) at different heights, the posts being separate and diametrically opposite on either side of a center of the support.

2. A device according to claim 1, comprising two first optical sensors (3.1, 4.1) mounted on one of the posts (5.1), and two second optical sensors (3.2, 4.2) mounted on another of the posts (5.2), the two first optical sensors being sensitive to a first wavelength range, and the two second optical sensors being sensitive to a second wavelength range different from the first wavelength range.

3. A device according to claim 2, wherein each post (5.1, 5.2) carries an optical sensor (3.1, 4.1) that is sensitive to infrared radiation, and an optical sensor (3.2, 4.2) that is sensitive to visible radiation.

4. A device according to claim 1, wherein the acquisition member comprises four optical sensors connected to the image processing computer unit (2) and each mounted on a respective post (5.1, 5.2), the posts being uniformly distributed around the support.

5. A device according to any preceding claim, wherein the image acquisition member comprises two cameras arranged to provide stereoscopic vision.

6. A device according to claim 5, including an emitter (6.1, 6.2) for emitting a structured light beam.

7. A device according to any preceding claim, including at least one lamp (7.1, 7.2) for illuminating the support.

8. A device according to any preceding claim, wherein the bag support is mounted on a weighing member (112).

9. A device according to any preceding claim, wherein the bag support is a conveyor belt (111).

10. A device according to any preceding claim, wherein the distinctive characteristics comprise at least one of the following characteristics: the shape and/or the dimensions of a bag, the color of the bag, the shape and/or the dimensions of a handle of the bag, the shape and/or the dimensions of wheels, a profile of at least one of the edges of the bag, the shape and/or the dimensions of a pattern present on the bag.