

Abstract

Method for determining correctives to the statistical identification variances of a biometric identification system

Method **(500)** for determining correctives to the statistical identification variances of a biometric identification system **(200)** using facial and/or pedestrian recognition, said method **(500)** comprising the following steps:

- (a) defining **(501)** a set of categories **(C1-Cn)**, each category having at least one corresponding physical appearance characteristic;
- (b) extracting **(502)**, for each individual **(101)** of the plurality of individuals, at least one physical appearance characteristic from at least one image of said individual **(101)**;
- (c) assigning **(503 / 600)**, to each individual **(101)**, at least one category **(C1-Cn)** on the basis of at least one criterion **(a-z)** relating to the extracted physical appearance characteristic;
- (d) distributing **(504 / 600)**, for each category **(Cp)**, each individual **(101)** of the plurality of individuals into two groups **(E, R)** according to the failure **(E)** or success **(R)** of their identification by the biometric identification system **(200)**;
- (e) calculating **(505 / 700)**, for each category **(Cp)**, a number **(N[Cp])** of individuals to be selected in the group **(R)** corresponding to the success **(R)** of the identification such that the relative proportions of individuals in the group **(E)** corresponding to the failure **(E)** of the identification are substantially equal between all the criteria **(a-z)** relating to said category **(Cp)**.

Figure 5