

Title (en)

Apparatus for, and method of correcting a potential sensor.

Title (de)

Gerät und Verfahren zur Korrektur eines Spannungsfühlers.

Title (fr)

Appareil et méthode de correction d'un détecteur de potentiel.

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Application

**EP 92310853 A 19921127**

Priority

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Abstract (en)

In the potential sensor correcting apparatus of the present invention, two reference bias voltages are applied to a photoreceptor drum (1) by a low reference bias unit (21) and a high reference bias unit (22), and the values measured by a potential sensor (4) are stored in a memory (23a) of a control unit (23). Based on the measured values stored in the memory (23a), there is determined a first straight line (Y1) which represents the relationship between the detected voltages and outputs of the potential sensor (4). Then, there is obtained a second straight line (Y2) which has the same inclination as that of the first straight line (Y1) and which passes through the origin. Based on the second straight line (Y2) thus obtained, the output of the potential sensor (4) is corrected. Thus, the output of the potential sensor (4) can be accurately corrected without any influence exerted by residual charge. <IMAGE> <IMAGE>

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