

Title (en)

DEVICE FOR COUNTING SMALL PARTICLES AND A SORTING APPARATUS COMPRISING SUCH A DEVICE

Title (de)

VORRICHTUNG ZUM ZÄHLEN VON KLEINEN PARTIKELN UND SORTIERGERÄT DAMIT

Title (fr)

DISPOSITIF SERVANT A COMPTER DE PETITES PARTICULES ET APPAREIL DE TRI COMPRENANT CE DISPOSITIF

Publication

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Application

**EP 97915420 A 19970324**

Priority

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Abstract (en)

[origin: WO9738318A1] A device for counting small particles, especially carriers, comprises a capillary (2) for receiving the particles to be counted, a light source (3) for emitting measuring light (M) and a photoelectric detector (5) for receiving the measuring light (M). Also provided are light-delivering means which deliver the measuring light (M) emitted by the light source (3) to the capillary (2) and light-removing means which deliver the measuring light (M) coming from the capillary (2) to the photoelectric detector (5). The internal diameter (ID) of the capillary (2) is such that the individual particles can enter the capillary (2) only one behind the other and can move along inside it only one behind the other. The light-delivering means irradiate the capillary (2) with the measuring light (M) transversely to the longitudinal axis (A) thereof, the measuring light (M) being in the form of a light beam, the width of which is such that only one of the particles can be completely in the light beam at any one time. A sorting apparatus for distributing small particles comprises such a device.

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