

Title (en)
Method and device for sorting.

Title (de)
Verfahren und Einrichtung zum Sortieren.

Title (fr)
Procédé et dispositif de tri.

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Application
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Priority
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Abstract (en)
[origin: EP0426893A1] The invention relates to a method and a device for sorting material, in particular glass granules or glass containers. A piece of the sorting material is irradiated from one side by light, in particular by white light. It is detected on the opposite side where the light emerges. According to the result of the detection, a fraction of the sorting material is led off separately. It is provided that the light intensity emerging from a piece of sorting material is measured separately for the range of one wavelength, in particular separately for the ranges of two wavelengths. If two intensities are measured, and their difference is very small, colourless glass is present. Particularly suitable wavelengths are 450 nm and 550 nm. If the difference in the intensities is measurable, coloured glass is present. If, in this case, the intensity can be measured at 450 nm, the glass is green. If, however, the intensity cannot be measured at 450 nm, brown glass is present. A suitable device for carrying out the method provides a light source (4) on an accelerating trough (3) for pieces of sorting material. Arranged opposite the light source (4) is a beam splitter (25) downstream of which are connected a detector (5) for 450 nm and a detector (6) for 550 nm. <IMAGE>

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B07C 5/3416 (2013.01)

Cited by
EP0820819A3; CN103389201A; DE4210157A1; US5333739A; EP0562506A3; US8030589B2; US7351929B2; EP2923777A1; US9586236B2

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