

Title (en)

Process and device for numerical optical sorting of a mass of particles, in particular cullet.

Title (de)

Verfahren und Vorrichtung zum digitalen optischen Sortieren einer Masse von Partikeln, insbesondere Glasscherben.

Title (fr)

procédé et dispositif de tri optique numérique d'une masse de particules, telle que, notamment, du groisil.

Publication

**EP 0452235 A1 19911016 (FR)**

Application

**EP 91420123 A 19910412**

Priority

FR 9004978 A 19900412

Abstract (en)

The device comprises a processing unit (8) containing: - a means for digitising the signal representing the luminous intensity received by the cells, - a means (15) for determining the actual size of at least some of the particles, - a means (14) for determining the actual luminous intensity, - a means (16) for storing at least one table giving the correlation between the theoretical size of the particles and the theoretical luminous intensity for these particles, - a means (17) for comparing the actual values of size and luminous intensity and the corresponding theoretical values of size and luminous intensity, - and a unit (18) for the addressing and selecting of ejector members depending on the result of the comparison. Application to the optical sorting of cullet. <IMAGE>

IPC 1-7

**B07C 5/34**; **B07C 5/342**

IPC 8 full level

**B07C 5/34** (2006.01); **B07C 5/342** (2006.01)

CPC (source: EP)

**B07C 5/3416** (2013.01); **B07C 5/3425** (2013.01)

Citation (search report)

- [X] EP 0325558 A1 19890726 - VETROPACK AG [CH]
- [A] US 3890221 A 19750617 - MUEHLETHALER URS
- [AD] FR 2576008 A1 19860718 - BSN [FR]

Cited by

EP0550944A1; EP0562506A3; US6144004A; GB2289942A; GB2289942B; US7639352B2; WO2006000001A1

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