

Title (en)

OPTICAL SORTING DEVICE TO SEPARATE TWO CATEGORIES OF PARTICLES HAVING DIFFERENT OPTICAL TRANSMISSIVITIES

Publication

EP 0263015 B1 19910403 (FR)

Application

EP 87402095 A 19870921

Priority

FR 8613511 A 19860929

Abstract (en)

[origin: EP0263015A2] The particles to be sorted are poured onto a translucent inclined plane (3) beneath which is arranged a light source and above which is placed a camera. At the bottom of the inclined plane (3) there are arranged, side by side, hammers (8) capable of tilting about a pivot (9) between a rest position and a position in which they eject the undesirable particle when the latter is detected by the camera. Each hammer (8) is fixed to a connecting rod (47), the downwards displacement of which places the hammer (9) in the ejection position. The connecting rod (47) is joined to the rod (61) of a double-action pneumatic jack (62) controlled by a distributor (43) which is pilot-controlled by a light-sensitive element of the camera. Applicable for sorting cullet. <IMAGE>

IPC 1-7

B07C 5/34; **B07C 5/36**

IPC 8 full level

B07C 5/34 (2006.01); **B07C 5/36** (2006.01)

CPC (source: EP)

B07C 5/3416 (2013.01); **B07C 5/362** (2013.01)

Citation (examination)

US 3980181 A 19760914 - HOOVER MICHAEL C, et al

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CN114833096A; US5603413A; FR2632879A1; CN110624856A; AU2010285188B2; AU2010285188C1; US5314072A; US8803020B2; WO2011020628A1; WO9505249A1

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