

Title (en)
Device and method for sorting bulk material

Title (de)
Vorrichtung und Verfahren zum Sortieren von Schüttgut

Title (fr)
Dispositif et procédé de tri de matière en vrac

Publication
EP 0734789 A3 19980527 (DE)

Application
EP 96104846 A 19960327

Priority
DE 19511901 A 19950331

Abstract (en)
[origin: EP0734789A2] Bulk materials are sorted into two fractions according to colour and/or shape. An arrangement of a conveyor for the material and opto-electronic scanners detect particles over the width of the material stream at the end of a chute (12). An electronic image processor forms a two-dimensional image of the stream from successive line signals from the scanners so that a particle can be recognised. Air blast nozzles (10) divert particles from a normal channel (32) to a separate channel (26) according to the evaluation of each particle. An air suction fan (28) is provided in the diversion channel to maintain uniform air conditions.

IPC 1-7
B07C 5/342

IPC 8 full level
B07C 5/342 (2006.01)

CPC (source: EP)
B07C 5/3425 (2013.01); **B07C 5/365** (2013.01)

Citation (search report)

- [XY] EP 0396290 A2 19901107 - RADIX SYSTEMS LTD [GB]
- [Y] US 5339964 A 19940823 - GRAY CALVIN G [US], et al
- [Y] US 4074808 A 19780221 - GILLESPIE ROBERT M, et al
- [Y] EP 0267790 A2 19880518 - LOCKWOOD GRADERS LTD [GB]
- [A] US 5085325 A 19920204 - JONES CLARENCE S [US], et al

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Designated contracting state (EPC)
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EP 0734789 A2 19961002; EP 0734789 A3 19980527; EP 0734789 B1 20011128; AT E209534 T1 20011215; DE 19511901 A1 19961002; DE 59608288 D1 20020110; ES 2168114 T3 20020601

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