

Title (en)
Sorting particulate material.

Title (de)
Sortieren von stückigem Gut.

Title (fr)
Triage de fragments de matières.

Publication
EP 0064810 A1 19821117 (EN)

Application
EP 82301729 A 19820401

Priority
ZA 812802 A 19810428

Abstract (en)
An ore sorting apparatus in which the ore to be sorted is selected for sorting according to their absorption of atomic radiation. Ore particles are passed beneath an X-ray tube 23 while being supported on a conveyor belt. X-rays passing through the ore particles impinge on a fluorescent screen 33. Images formed on the screen 33 are scanned by a scan camera 34 to provide sorting control signals in dependence upon the amount of radiation absorbed by the ore particles.

IPC 1-7
B07C 5/346

IPC 8 full level
B07C 5/346 (2006.01); **G01N 23/06** (2006.01)

CPC (source: EP)
B07C 5/346 (2013.01); **B07C 5/366** (2013.01)

Citation (search report)
• [X] GB 1103591 A 19680221 - NAT RES DEV
• [Y] GB 1135232 A 19681204 - NAT RES DEV

Cited by
RU2761038C2; US4743362A; EP0819247A4; DE102004001790A1; US2013184853A1; US9114433B2; WO2024028151A1; US8853584B2; US9126236B2; EP2198983A1; US8742277B2; US8841571B2; US8847094B2

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