

Title (en)
OPTICAL SORTING MACHINE

Title (de)
OPTISCHE SORTIERMASCHINE

Title (fr)
MACHINE DE TRI OPTIQUE

Publication
EP 4169628 A4 20231122 (EN)

Application
EP 21825770 A 20210614

Priority
• JP 2020104601 A 20200617
• JP 2021022573 W 20210614

Abstract (en)
[origin: EP4169628A1] An optical sorter including: an inspection part that is configured to perform optical inspection on granular objects transferred by transfer means; a judgment part that is configured to judge whether each granular object is a good article or a defective article based on the optical inspection performed by the inspection part; an ejector controller that includes multiple ejector nozzles and is configured to sort out the granular objects into the defective article and the good article by ejecting compressed air to the defective article from the ejector nozzles; and a sorting strength setting part that is capable of setting a sorting strength in the ejector controller, wherein the sorting strength is constituted of multiple sorting strength levels, and the sorting strength setting part is capable of presetting, for each of the sorting strength levels, multiple kinds of operation setting parameters that control an operation of the ejector nozzles.

IPC 8 full level
B07C 5/34 (2006.01); **B07C 5/342** (2006.01); **B07C 5/36** (2006.01); **G01N 21/85** (2006.01)

CPC (source: EP)
B07C 5/342 (2013.01); **B07C 5/366** (2013.01)

Citation (search report)
• [A] WO 2011158656 A1 20111222 - SATAKE ENG CO LTD [JP], et al
• See references of WO 2021256438A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 4169628 A1 20230426; EP 4169628 A4 20231122; BR 112022025849 A2 20230110; CN 115768569 A 20230307;
JP 2021194620 A 20211227; JP 7322823 B2 20230808; WO 2021256438 A1 20211223

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