

Title (en)  
SORTING DEVICE

Title (de)  
SORTIERVORRICHTUNG

Title (fr)  
DISPOSITIF DE TRI

Publication  
**EP 1198728 A1 20020424 (EN)**

Application  
**EP 00947690 A 20000720**

Priority  
• BE 0000088 W 20000720  
• BE 9900503 A 19990723

Abstract (en)  
[origin: WO0107950A1] Sorting device, provided with an inspection unit (2), where products (3-3A) to be sorted are inspected on their acceptability, a transport system (4) feeding a product flow (5) of products (3-3A) to be sorted to the inspection unit (2), and a rejection unit (6) taking unacceptable products (3-3A) out of the product flow (5), characterized in that the inspection unit (2), at the sending side, is provided with at least two sources, more particularly light sources (17-18-32), for generating electromagnetic radiation, more particularly light (L1-L2-L3), as well as with means, making use of waveguide technology, for having the electromagnetic radiation meet the products (3-3A) to be sorted, whereby these means function as an alignment system for the radiation originating from the aforementioned sources (17-18-32).

IPC 1-7  
**G02B 6/34**; **B07C 5/342**; **G01N 21/47**

IPC 8 full level  
**B07C 5/342** (2006.01); **G01N 21/47** (2006.01); **G01N 21/85** (2006.01); **G02B 6/34** (2006.01)

CPC (source: EP)  
**B07C 5/342** (2013.01); **B07C 5/368** (2013.01); **G01N 21/474** (2013.01); **G01N 21/85** (2013.01)

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**WO 0107950 A1 20010201**; AU 6141600 A 20010213; BE 1012795 A3 20010306; CA 2380166 A1 20010201; EP 1198728 A1 20020424

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