

Title (en)
Sorting device.

Title (de)
Sortiereinrichtung.

Title (fr)
Dispositif de tri.

Publication
EP 0280857 B1 19931118 (DE)

Application
EP 88100738 A 19880120

Priority
DE 3706575 A 19870228

Abstract (en)
[origin: EP0280857A2] 2.1. In installation systems with automatic screw connection, satisfactory screw hardware is needed. In the past, defective screws have usually been eliminated manually or by costly optical sorting devices. The new sorting device is intended to single out defective fixing components reliably and economically. <??>2.2. Defective components are sorted out from the dimensionally accurate fixing components by a consecutive arrangement of mechanical measuring stations (10, 13) and electrical measuring stations (21, 22, 25) which operate by the eddy current principle, and by ejector devices (10, 12, 3). The mechanical pre-sorting largely prevents dimensional errors from being compensated at the electrical measuring stations. As a result, very high reliability of the overall installation is achieved. <??>2.3. The sorting device is suitable for automatic installation systems for feeding screws to screw pumps. It can also be used, for example, by screw manufacturers for the provision of satisfactory screw hardware. <IMAGE>

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B07C 5/04

IPC 8 full level
B07C 5/04 (2006.01); **B07C 5/06** (2006.01); **B07C 5/08** (2006.01)

CPC (source: EP US)
B07C 5/04 (2013.01 - EP US); **B07C 5/065** (2013.01 - EP US); **B07C 5/08** (2013.01 - EP US); **Y10S 209/929** (2013.01 - EP US)

Citation (examination)
• US 3650397 A 19720321 - BORNEMEIER DWIGHT D
• GB 1125272 A 19680828 - CONTINENTAL CAN CO

Cited by
CN114460320A; WO2008071204A1

Designated contracting state (EPC)
DE ES FR GB IT SE

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EP 0280857 A2 19880907; EP 0280857 A3 19890830; EP 0280857 B1 19931118; DE 3706575 A1 19880908; DE 3885629 D1 19931223; ES 2046993 T3 19940216; US 4905842 A 19900306

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