

Title (en)
WORK PIECE SORTING SYSTEM

Publication
EP 0212298 B1 19891025 (DE)

Application
EP 86110073 A 19860722

Priority
DE 3529149 A 19850814

Abstract (en)
[origin: US4878574A] An apparatus for sorting cut lengths discharged from an automatic metal cutting saw, includes at the discharge side of the saw, a movable endless link conveyor belt; a drive motor for driving the conveyor belt in a moving direction; a plurality of partitions arranged in spaced relation in the moving direction of the conveyor belt; a plurality of receiving bins arranged on opposite sides of the conveyor belt and mounted on the partitions, the receiving bins having different dimensions for receiving cut lengths of different dimensions, the receiving bins being spaced at predetermined lengths from the source; a mounting assembly for mounting the partitions for movement in the moving direction of the conveyor belt; a travelling distance sensor operatively connected with the drive motor; tipping cylinders located beneath the conveyor belt for tilting the conveyor belt downwardly on either side thereof; and a control assembly connected to the sensor and to the tipping cylinders for controlling the tipping cylinders to tilt the conveyor belt to deposit the cut lengths and selected ones of the receiving bins in response to information input to the control assembly such as the number, dimensions and intended use of the cut lengths and the positions and dimensions of the receiving bins, and the distance that the cut lengths have been conveyed along the conveyor belt as determined by the sensor.

IPC 1-7
B07C 3/08; B07C 5/36; B65G 47/50; B65G 47/96

IPC 8 full level
B23Q 7/12 (2006.01); **B07C 3/08** (2006.01); **B07C 5/36** (2006.01); **B65G 47/50** (2006.01); **B65G 47/94** (2006.01); **B65G 47/96** (2006.01)

CPC (source: EP US)
B07C 3/082 (2013.01 - EP US); **B07C 5/362** (2013.01 - EP US); **Y10S 209/933** (2013.01 - EP US)

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
EP 0212298 A2 19870304; EP 0212298 A3 19880107; EP 0212298 B1 19891025; DE 3529149 A1 19870226; DE 3666571 D1 19891130; JP S6294241 A 19870430; US 4878574 A 19891107

DOCDB simple family (application)
EP 86110073 A 19860722; DE 3529149 A 19850814; DE 3666571 T 19860722; JP 19116486 A 19860813; US 15620988 A 19880216