

Title (en)
Article-counting device.

Title (de)
Einrichtung zum Zählen von Gegenständen.

Title (fr)
Dispositif pour compter des objets.

Publication
EP 0348625 A1 19900103 (DE)

Application
EP 89107173 A 19890421

Priority
CH 247688 A 19880629

Abstract (en)
[origin: JPH02125394A] PURPOSE: To count a transfer object through a pressure sensor without providing the signal connection line of a pressure signal by receiving a change which is directly evaluated by means of the existence of the object at the nozzle exit of the sensor for the pressure state of the line reaching a ring beam sensor. CONSTITUTION: The ring beam sensor 24 and the pressure sensor unit 36 are connected only to the shunts 23 and 35 of the lines 21 and 34. The pressure state of the lines reaching the ring beam sensor 24 receives the change which can directly be evaluated based on the existence of the object in the range of the nozzle-like exit of the sensor 24. The different line which is connected to the signal line and which reaches the pressure sensor 36 becomes unnecessary.

Abstract (de)
Auf die Gegenstände (27) ist ein mit Luft betriebener Ringstrahl-Sensor (24) gerichtet, der an eine Luft führende Leitung (23) angeschlossen ist. Der Ringstrahl-Sensor (24) ist auch an einen Drucksensor (37) gekoppelt, dessen Signal an einen Zähler (40) gelangt. Um nicht zwei Leitungen an den Ringstrahl-Sensor (24) anzuschliessen, ist dieser und auch der Drucksensor (37) in Parallelschaltung je an eine Zweigleitung (23,35) angeschlossen. Die Zweigleitungen (23,35) können wahlweise Druckluft oder Saugluft führen.

IPC 1-7
G06M 1/12; **G06M 7/00**

IPC 8 full level
G06M 7/06 (2006.01); **G06M 1/12** (2006.01); **G06M 7/00** (2006.01)

CPC (source: EP US)
G06M 1/123 (2013.01 - EP US); **G06M 7/00** (2013.01 - EP US); **G06M 2207/02** (2013.01 - EP US)

Citation (search report)

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- [Y] EP 0249871 A2 19871223 - EDS CORP [US]
- [A] FR 2385156 A1 19781020 - BOSCH GMBH ROBERT [DE]

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CN111035046A

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0348625 A1 19900103; **EP 0348625 B1 19920311**; AT E73563 T1 19920315; AU 3711789 A 19900104; AU 612499 B2 19910711; CA 1319132 C 19930615; DE 58900943 D1 19920416; FI 893157 A0 19890628; FI 893157 A 19891230; JP H02125394 A 19900514; RU 2010331 C1 19940330; US 4958063 A 19900918

DOCDB simple family (application)
EP 89107173 A 19890421; AT 89107173 T 19890421; AU 3711789 A 19890628; CA 603320 A 19890620; DE 58900943 T 19890421; FI 893157 A 19890628; JP 14929889 A 19890612; SU 4614012 A 19890522; US 37139389 A 19890626