

Title (en)  
VISUAL IDENTIFICATION-BASED FULL-AUTOMATIC FLANGE MARKING MACHINE

Title (de)  
AUF SICHTIDENTIFIKATION BASIERTE VOLLAUTOMATISCHE FLANSCHMARKIERUNGSMASCHINE

Title (fr)  
MACHINE DE MARQUAGE DE BRIDE ENTIÈREMENT AUTOMATIQUE REPOSANT SUR UNE IDENTIFICATION VISUELLE

Publication  
**EP 3970981 B1 20240703 (EN)**

Application  
**EP 20840818 A 20200116**

Priority  
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• CN 2020072340 W 20200116

Abstract (en)  
[origin: EP3970981A1] A visual identification-based full-automatic flange labeling machine, comprising a pneumatic chuck (1) provided with a first detection unit, a rotation mechanism (45) connected to the pneumatic chuck, a linear push mechanism (2) connected to the rotation mechanism, a visual identification system (5), a labeling actuator (6), a return-to-zero limiting mechanism, a workbench (7) and a controller (8). The visual identification system, the labeling actuator and the linear push mechanism are all fixed to the workbench. The rotation mechanism rotates a flange on the pneumatic chuck. The linear push mechanism pushes the flange to a labeling position and pushes the flange out of the labeling position. The labeling actuators are used for printing a new label on the flange. The linear push mechanism is provided with the return-to-zero limiting mechanism for limiting the pneumatic chuck. A second detection unit is arranged between the linear push mechanism and the pneumatic chuck and is used for detecting whether the pneumatic chuck returns to zero to be reset. The present labeling machine may improve the automation level of flange labeling.

IPC 8 full level  
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