

Title (en)  
METHOD AND ARRANGEMENT FOR CUTTING PARTS WITH DIFFERENT SHAPES

Publication  
**EP 0230552 A3 19890111 (DE)**

Application  
**EP 86116343 A 19861125**

Priority  
DE 3544251 A 19851214

Abstract (en)  
[origin: EP0230552A2] A pattern identification device (4) associated with a coordinate cutting machine (1) permits optosensory positional detection and identification of each pattern (3) laid down at any point on the material (5) to be cut. This is followed by automatic cutting out of a part 2 which is congruent with the pattern (3) from the material (5) to be cut, spread out on a workbench (33) of the coordinate cutting machine (1). For positional detection and identification, each pattern (3) is provided with an individual coding, which comprises at least two holes (7) of different diameters or at least two areas (37) of different area contents. The coding marks, contrasting with the upper side (10) of the pattern (3), are sensed by an electronic camera (11) and the image of the detection area (31) is broken down line by line. The video signals are fed to a digital image memory (12) and an image decoding system (13) for analysis and calculation of coordinate data. <IMAGE>

IPC 1-7  
**G05B 19/12**; **B23Q 35/128**; **G05B 19/42**

IPC 8 full level  
**B26D 5/00** (2006.01); **B26F 1/38** (2006.01); **C14B 5/00** (2006.01); **D06H 7/00** (2006.01)

CPC (source: EP US)  
**B26D 5/00** (2013.01 - EP US); **B26D 5/005** (2013.01 - EP US); **B26D 5/007** (2013.01 - EP US); **B26F 1/38** (2013.01 - EP US); **C14B 5/00** (2013.01 - EP US); **B26D 2005/002** (2013.01 - EP US); **Y10T 83/0605** (2015.04 - EP US)

Citation (search report)  
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**DE 3544251 A 19851214**; EP 86116343 A 19861125; JP 29509986 A 19861212; US 93788086 A 19861204