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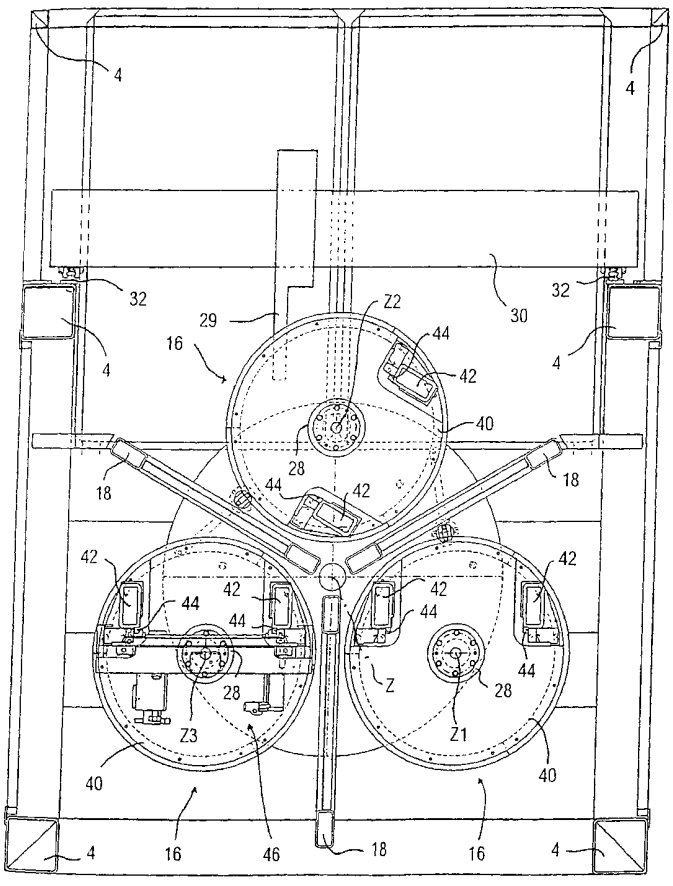
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Published:
— *with international search report*

[Continued on next page]

(54) Title: SYSTEM FOR CARRYING OUT MECHANICAL WORKING



(57) Abstract: A machine for carrying out mechanical workings preferably by shaving removal comprises frame means (4) arranged for receiving a semi-worked piece (P) to be worked, the semi-worked piece (P) having a cross section exhibiting dimensions remarkably smaller than the length of the piece (P) measured along its own longitudinal axis, and said semi-worked piece (P) being arranged with said longitudinal axis along a working axis (Z1; Z2; Z3) in a working station, clamp means (46) arranged at a plurality of cross sections of said semi-worked piece (P) for locking said semi-worked piece (P) in said working station, tool means (29) arranged for carrying out workings on faces of said semi-worked piece (P), supporting means (16, 5) to which said semi-worked piece is fixed by said clamp means (46), said supporting means (16, 5) being suitable to be rotated about a service axis (Z).

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INTERNATIONAL SEARCH REPORT

Interna ,al Application No
PCT/IB 01/00130

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B23Q7/02 B23Q1/54 B23Q11/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B23Q B23D B23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ˘	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 03, 28 April 1995 (1995-04-28) & JP 06 335838 A (NIPPEI TOYAMA CORP;OTHERS: 01), 6 December 1994 (1994-12-06)	1,2,7,21
A	abstract; figures	3,5,6

X	EP 0 558 982 A (EISENBACH B ROTOX GMBH) 8 September 1993 (1993-09-08) column 3, line 54 -column 5, line 48 figures	1,2,7,16

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A	column 2, line 31 -column 6, line 14 figures	35

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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

° Special categories of cited documents :

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
29 May 2001	23. 10. 2001

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Breare, D

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CH 461 219 A (POSALUX SA) 15 August 1968 (1968-08-15) column 2, line 31 -column 3, line 3	1,3-5
Y	column 3, line 57 -column 4, line 3 figures 1,2,25,26,29,30	6

X	DE 23 59 381 A (ST SONDERMASCHINEN GMBH) 5 June 1975 (1975-06-05) page 7, line 1 -page 13, last line figures 1-3	1,3,5,6

X	US 5 957 638 A (WINKLER SIEGBERT) 28 September 1999 (1999-09-28)	1,2,7
A	column 4, line 6 - line 50 column 5, line 53 -column 7, line 42 figures 1,2,4-7	35

X	DE 41 13 629 A (GOETZ METALL ANLAGEN) 29 October 1992 (1992-10-29) column 4, line 37 - line 56 figures 1,4,5	1,2,7

X	DE 32 16 345 A (PAUL FORKARDT GMBH & CO KG) 3 November 1983 (1983-11-03) page 5, line 24 - line 29 page 9, line 22 -page 13, line 5 figures	35-40

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INTERNATIONAL SEARCH REPORT

Inte...ational application No.
PCT/IB 01/00130

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-22, 35-40

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-22,35-40

   Machine Configuration and Method for Machining Profile Pieces

2. Claims: 23-34

   Clamping Device

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/IB 01/00130

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