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(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
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(54) **Portable work bench**

(57) An improved portable work bench (10) includes a beam (11), legs (31) for supporting the beam, and at least one bracket (20) having first and second surfaces for contacting respective first and second sides of the

beam (11), wherein the second surface is moveable between a first position contacting the second side of the beam, and a second position not contacting the second side of the beam (11). A spring biases the second surface towards the first position.

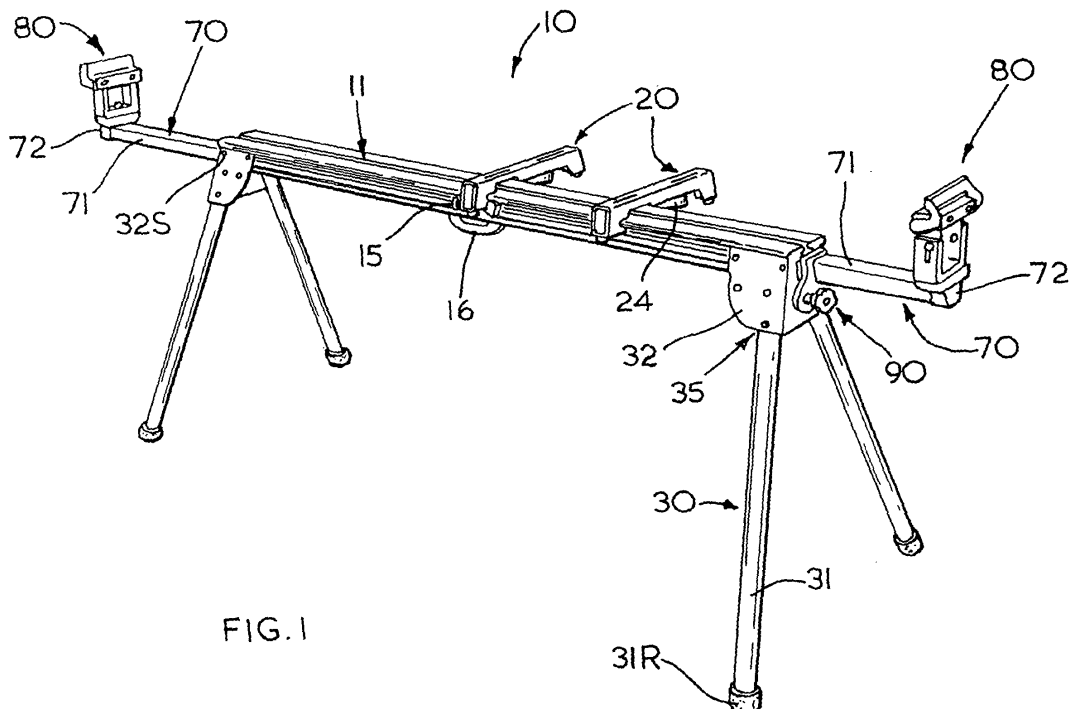


FIG. 1



| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--|---|---|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
| D,X Y A | US 5 592 981 A (DEREKTOR) 14 January 1997 (1997-01-14) * column 3, lines 18-41 * * column 4, lines 17-26 * * column 4, line 66 - column 5, line 5; figures 1,4,5 * | 1 2-4 9,11, 14-17, 19,21-23 | INV. B25H1/06 B25H1/10 B23D47/02 |
| D,X Y A | ----- US 5 193 598 A (ESTREM) 16 March 1993 (1993-03-16) * column 2, lines 15-31 * * column 3, line 47 - column 4, line 2; figures * * column 4, lines 30-32 * | 1,6, 17-23 5 10,11, 14-16 | |
| X A | ----- US 5 526 856 A (PEDRI) 18 June 1996 (1996-06-18) * figures 1,2 * | 1,6-8 5,10,11, 14-19, 21-23 | TECHNICAL FIELDS SEARCHED (IPC) B25H B23D B27B B25G B25B B23Q F16B |
| Y | ----- DE 18 16 553 U (ROWI) 11 August 1960 (1960-08-11) * the whole document * | 2,5 | |
| Y | ----- DE 15 75 282 B1 (SIMONSEN) 6 May 1971 (1971-05-06) * figures 1-3 * | 3,4 | |
| | ----- -/-- | | |
| The present search report has been drawn up for all claims | | | |
| Place of search The Hague | | Date of completion of the search 11 April 2007 | Examiner Matzdorf, Udo |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document | | T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document | |

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EPO FORM 1503 03.82 (P04C01)



| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|--|----------------------------------|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
| A | US 6 123 173 A (PATROS) 26 September 2000 (2000-09-26) * column 5, lines 26-54 * * column 6, lines 6-17; figures 1,3,4,7 * ----- | 9,11-17, 19-23 | |
| A | US 6 199 608 B1 (AYALA) 13 March 2001 (2001-03-13) * figures 7,9,10 * ----- | 9,10, 14-18, 21-23 | |
| | | | TECHNICAL FIELDS SEARCHED (IPC) |
| | | | |
| The present search report has been drawn up for all claims | | | |
| Place of search | | Date of completion of the search | Examiner |
| The Hague | | 11 April 2007 | Matzdorf, Udo |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p> | | | |

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**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-8

A work bench comprising a locking mechanism for an extension
arm

2. claims: 9-23

A work bench comprising a work support mechanism

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 06 11 8238

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

11-04-2007

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|--|----|------------------|-------------------------|------------------|
| US 5592981 | A | 14-01-1997 | NONE | |
| US 5193598 | A | 16-03-1993 | WO 9400279 A1 | 06-01-1994 |
| US 5526856 | A | 18-06-1996 | NONE | |
| DE 1816553 | U | 11-08-1960 | NONE | |
| DE 1575282 | B1 | 06-05-1971 | NONE | |
| US 6123173 | A | 26-09-2000 | US 5904225 A | 18-05-1999 |
| US 6199608 | B1 | 13-03-2001 | NONE | |