



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 01 30 0883

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
X	PATENT ABSTRACTS OF JAPAN vol. 015, no. 056 (C-0804), 8 February 1991 (1991-02-08) & JP 02 286120 A (AICHI STEEL WORKS LTD), 26 November 1990 (1990-11-26) * abstract *	1,8,11, 26-28	A46B5/06
X	PATENT ABSTRACTS OF JAPAN vol. 015, no. 328 (C-0860), 21 August 1991 (1991-08-21) & JP 03 126445 A (OLYMPUS OPTICAL CO LTD), 29 May 1991 (1991-05-29) * abstract *	1,8,11, 26-28	
X	US 5 222 268 A (SNODGRASS GEORGE F) 29 June 1993 (1993-06-29) * abstract *	1,8,11, 26-28	
A	PATENT ABSTRACTS OF JAPAN vol. 017, no. 011 (C-1015), 8 January 1993 (1993-01-08) & JP 04 241805 A (KATERUN:KK), 28 August 1992 (1992-08-28) * abstract *	1,8,11, 26-28	TECHNICAL FIELDS SEARCHED (Int.CI.7) A46B
X	US 2 693 611 A (LOMBARDI WILLIAM A) 9 November 1954 (1954-11-09) * the whole document *	2-10, 12-24	
X	DE 11 83 885 B (NORDEUTSCHE DRAHTBUERSTENFABR) 23 December 1964 (1964-12-23) * the whole document *	2-10, 12-24	
A	US 2 513 719 A (GLASS MARTIN T) 4 July 1950 (1950-07-04) * the whole document *	2-10, 12-24	
-/--			
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 30 July 2004	Examiner Cardan, C
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			

EPO FORM 1503 03.82 (P04C01)



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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	DE 30 02 453 A (SCHLERF CORONET WERKE) 30 July 1981 (1981-07-30) * figure 1 *	2-10, 12-24	
A	GB 645 407 A (OSBORN MFG CO) 1 November 1950 (1950-11-01) * the whole document *	2-10, 12-24	
A	GB 723 385 A (OSBORN MFG CO) 9 February 1955 (1955-02-09) * the whole document *	2-10, 12-24	
A	GB 710 222 A (OSBORN MFG CO) 9 June 1954 (1954-06-09) * the whole document *	2-10, 12-24	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
Place of search		Date of completion of the search	Examiner
MUNICH		30 July 2004	Cardan, C
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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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:
2-10, 12-24
- ☐ 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:



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**LACK OF UNITY OF INVENTION
SHEET B**

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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: 1,8,11,26-28

Claims 1, 8, 11, 27 to 28 relate to a cleaning device characterized in that the base member is memory resetting (from one configuration to a second)

2. Claims: 2-10, 12-24

Claims 2 to 10 and 12 to 24 relate to a brush which has a base member made of an helix-like configuration.

3. Claim : 25

Claim 25 discloses a cleaning device with an angular displaced holder and bristles attached thereto.

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

EP 01 30 0883

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.

30-07-2004

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82