

Sample report for a novelty search: Household gloves with cleaning elements

Author:	Peer Froehling, HollandPatentSearch
Subject:	Limited novelty search for gloves with cleaning elements
Summary:	A novelty search for an invention related to gloves containing attached cleaning elements (e.g. brushes, abrasive pads or sponges) produced 12 relevant patent documents. Pictures from the documents are included in a tabular overview.

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1. Introduction

This report gives the results of a novelty search for an invention related to “cleaning gloves”, i.e. household gloves to which several types of cleaning elements are attached. Examples of cleaning elements are abrasive pads (e.g. attached to the fingers of the glove), sponges (attached to e.g. the glove’s hand palm) or brushes.

§ 2 of this report gives basic data of the selected relevant documents in tabular form, with hyperlinks to esp@cenet.

§ 3 contains an analysis in tabular form of the selected documents in comparison to relevant aspects of the invention.

§ 4 contains some conclusions regarding the novelty and inventivity of the invention in view of the reported documents.

The Appendix gives a summary of the search strategy.

2. Search results

Table 1 gives the basic bibliographic data of the relevant documents selected from the search results. Clicking on the [hyperlinks](#) will open the patent record in Esp@cenet with e.g. full text, family and legal data and the possibility to download the original document.


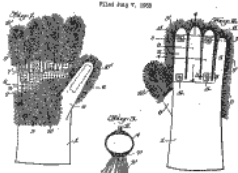
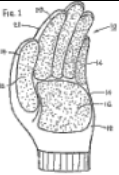




Table 1
Bibliographic data of relevant documents


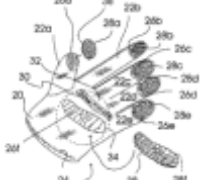



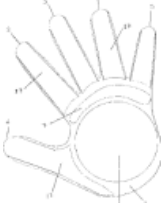
doc.	patent nr. (hyperlink)	title	applicant / assignee	earliest priority country / date	
D1	US2227707	Dish-washing glove	Cooper Alfred D	US	7-7-1938
D2	GB2143720A	Gloves for cleaning, smoothing and/or polishing objects	Moore; Andrew Thomas	GB	25-7-1983
D3	GB2224634A	Household and industrial gloves	Mclaughlin Emily	GB	11-11-1988
D4	WO1996038061A1	Waterproof manual cleaning devices	Meglodon Ind	US	1-6-1995
D5	DE29703954U1	Vorrichtung zum Abreinigen von Schmutzteilen (...)	Asthoff Jutta	DE	5-3-1997
D6	US6018837	Cleaning and scouring glove	Andreu; Elizabeth M	US	2-7-1998
D7	US5956770	Glove with attachable cleaning pads	Dennis; Lewis Felts	US	17-11-1998
D8	US6098234	Cleaning system	Jackson Jr; Andrew	US	17-2-1999
D9	US6968808	Multi-textured pet washing glove	Claire Rory	US	4-9-2003
D10	US20050111897A1	Scrubber glove	Presniakov A	US	26-11-2003
D11	US20070192975A1	Cleaning glove	Aseff; Danielle M.	US	23-2-2006
D12	GB2438672A	A cleaning glove	Shaffi Faisal	GB	22-4-2006

3. Analysis

Table 2 compares several characteristic aspects of the invention (D0) with the selected documents from the search.

Table 2
Relevancy aspects of selected documents compared to the invention

doc.	characteristic elements		application	picture
D0	<i>scouring pads on finger tips</i>	<i>sponge on palm of hand</i>	<i>household cleaning</i>	
D1	brushes on fingers: fig.1	brushes on palm side: fig. 1	for dish washing: col.1, l. 1-2	
D2	abrasive material (metal wool, abrasive substances): p.1, l.25-29		permanent or renewable materials: p.1, l.60-62	
D3	abrasive pads bonded to fingertips: p.1, l.27 – p.2, l.4	abrasive pad in palm: p.4, l.24-26	household or industrial cleaning: p.1,l.1-4	
D4	sponges, scouring pads, brush bristles attached to several parts of glove: p.4, l.14-17		manual cleaning: p.1, l.4-6	
D5	bristle areas on fingers: p.3, l.8-11, cl.3, 5	large bristle area on palm: cl.4, 5	for cleaning fruits and vegetables p.1, l.19-21	
D6	scouring material on fingers col.1, l.58-59	absorptive material on palm: col.4, l.9-20	for scrubbing and washing with same glove: col.1, l.40-45	

doc.	characteristic elements		application	picture
D7	plurality of (differently colored) removable cleaning pads with different cleaning functions: col.3, l.25-32 col.3, l. 57-60 fig.2		surface cleaning: cl. 1	
D8	detachable strips of scrub materials attached to glove: col.5, l.22		for cleaning of floors, cars or skin: col1. l.45-52	
D9	scrubbing textures on palms and fingers: col.3, l.21-25	part of palm can be porous foam: col.1, l.65-67 col.2, l.14-19	pet washing: col.1, l. 5-6	
D10	sponges at palm and fingers; abrasive materials at finger tips: p1, § 10		household cleaning: p.1, § 8	
D11	abrasive material on finger tips p.2, §. 19	non-abrasive material containing cleaning solution on palm: p.2, § 20	cleaning: p.1, § 1	
D12	cleaning material (sponges, scourers, brushes) attached to fingers, thumb and palm of glove: p.2, l. 1-8		household cleaning: p.1, l. 1-3	

4. Conclusions

D0 (the invention) has as elements abrasive pads on the finger tips and a sponge in the palm of the hand. Identical elements of the invention can be found in D6, D9 and D10, which all should be considered as relevant for the novelty of the invention.

Combinations of abrasive and absorptive elements (possibly without mentioning specific positions on the glove) are reported in D4, D7, D11 and D12. Possibly D0 could be a selection invention over these documents; further study of these documents for their relevancy of the inventivity of D0 is recommended.

The other documents (D1, D2, D3, D5 and D8) are mainly related to cleaning elements on gloves in general, and give background information for D0.

Appendix: search strategy

Searches were performed in [Esp@cenet](#) and in the Derwent World Patent Index part of [Thomson Innovation](#).

The Esp@cenet search was directed towards combinations of “glove” in the title with “wash” or “clean” in title and/or abstract, limited with the International Patent Classification A46B5/04 for “brushes shaped as gloves”. This gave 17 initial hits .

The search in Derwent was on combination of the words “clean” or “wash” with “glove”. This gave initially 292 hits.

Selection on the combined hits finally resulted in the 12 documents reported in § 2.