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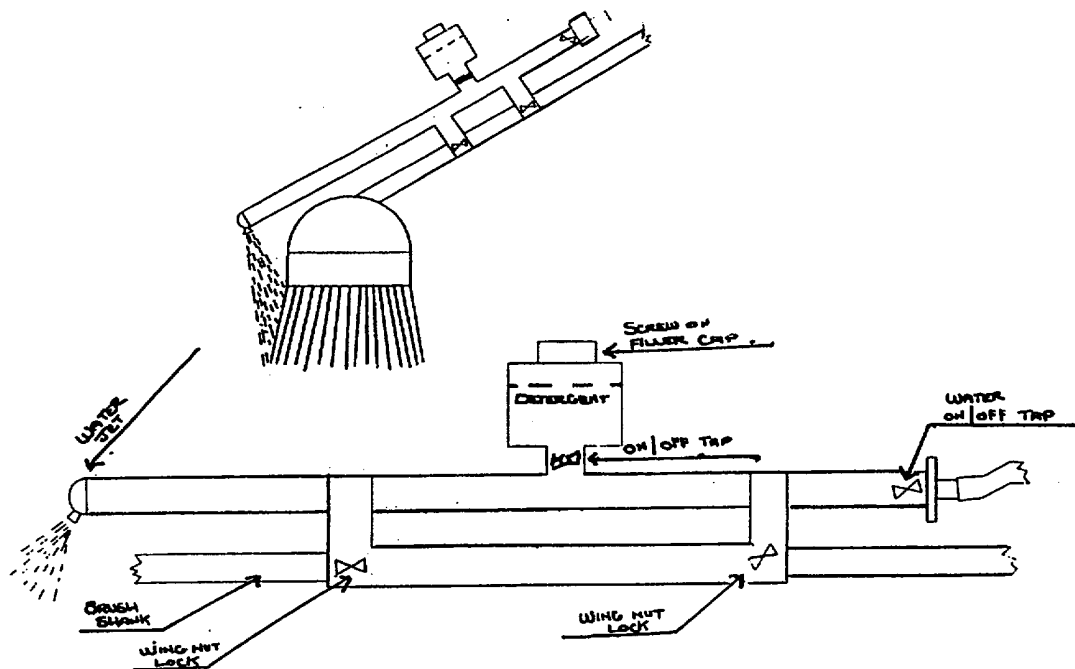
(52) UK CL (Edition S)
A4K KBA K152 K153 K159 K161 K184

(56) Documents Cited
GB 0860474 A **JP 080019426 A** **US 5449303 A**
US 3989391 A

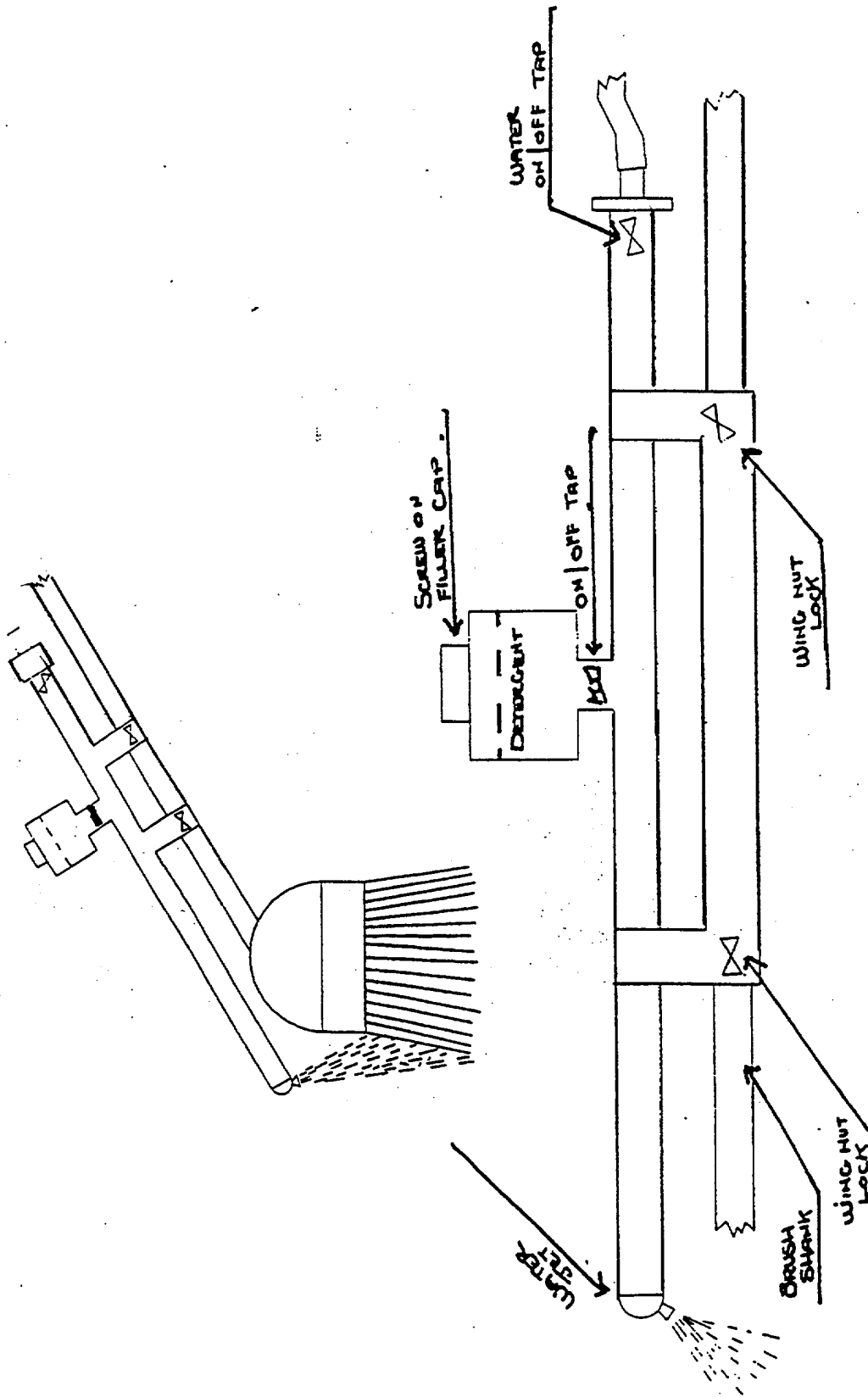
(58) Field of Search
UK CL (Edition Q) **A4K**
INT CL⁶ **A46B**
Online : **WPI**

(54) Abstract Title
Broom with spray jet

(57) A broom has removably connected to its handle a water spray device comprising a water duct having at one end a hose connector and a valve, at the opposite end a spray jet, and a detergent store.



AQUA Broom 1/1



Aqua Broom

Description

When cleaning surfaces it is common practice to swill, then sweep repetitively covering the same areas.

The purpose of this invention is to carry out this action in one motion which means environmentally friendly, using less water and energy completing the task in less time.

The aqua broom is made from a light, robust plastic material, and the aqua broom slips over any household broom and is then manually tightened by two thumbscrews.

The aqua broom gives the option for cleaning fluid/detergent to be added to the water, the amount used is governed by a regulator valve housed beneath the vessel.

Aqua Broom

Claims

The Aqua Broom is attached to any household broom

It is firmly fixed by manually tightening two thumb turn bolts

The hose pipe is attached to the Aqua Broom by a universal connector located at the end of the unit

The operator has the option to use detergent which is stored in a bottle, which is located at the top of the unit which has an air tight screw on cap

The user can control the amount of detergent used by a regulator valve



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Examiner: G R A H A M
WERRETT

Claims searched: The claim

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Patents Act 1977
Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.Q): A4K.

Int Cl (Ed.6): A46B.

Other: Online : WPI.

Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
X	GB 0860474 (CLARES) see e.g. Figure 1.	1.
X	US 5449303 (McLEOD) see e.g. handle 23, 25 carrying valve 81, gauge 83, hose 85, Figure 1.	1.
X	US 3989391 (THORNER) see e.g. wand 3 (nozzle 33, valve 11) on handle 17, 23, & container 97 - Figure 1.	1.
X	JP 8019426 A (MIYAMOTO) - see abstract.	1.

X Document indicating lack of novelty or inventive step
Y Document indicating lack of inventive step if combined with one or more other documents of same category.
& Member of the same patent family

A Document indicating technological background and/or state of the art.
P Document published on or after the declared priority date but before the filing date of this invention.
E Patent document published on or after, but with priority date earlier than, the filing date of this application.