

# (11) **EP 2 777 466 A3**

(12)

## **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3: 07.01.2015 Bulletin 2015/02

(51) Int Cl.: **A47L 13/11** (2006.01)

(43) Date of publication A2: 17.09.2014 Bulletin 2014/38

(21) Application number: 13196484.3

(22) Date of filing: 10.12.2013

(84) Designated Contracting States:

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR Designated Extension States:

BA ME

(30) Priority: 10.12.2012 FI 20126280

(71) Applicant: Sinituote Oy 05820 Hyvinkää (FI)

(72) Inventors:

 Vuorio, Atte 38300 Sastamala (FI)

Peltosaari, Rami
 32700 Huittinen (FI)

(74) Representative: Berggren Oy Ab

P.O. Box 16 Antinkatu 3 C 00101 Helsinki (FI)

#### (54) **Dryer**

(57) The invention relates to a dryer (1), which comprises an elongated body (2) having a bottom side (210) and two vertical sides (215, 216) contiguous with said bottom side (210) of the body, which together with said bottom side make up a channel (21) extending lengthwise of the body, in which channel a mostly elastomer-constructed sweeper element (3) of the dryer is capable of being accommodated and clamped with a press-fit joint. In the dryer,

- upon a face (210; 210b) of the body's bottom side (210) turned away from the sweeper element (3) is propped an articulation part (6), to which is pivotably attached the dryer's handle or handle bracket,
- the dryer's sweeper element (3) is made in one piece and comprises an elongated base (30), which is fitted in the body's channel (21) and which comprises a head (325) of the base with two contiguous side faces (315,

316) of the base connected by a bottom (310) of the base, whereby between said side faces (315, 316) exists a certain distance in a crosswise direction of said base (30), especially in a lateral direction of the base, and the bottom (310) has a width at least equal to that of the base head (325), whereby a plane (L) extending across the base head is substantially co-directional with a plane extending across the base bottom (310),

- the base head (325) of the sweeper element features three contiguous resilient sweepers (4), which depart outward from said head in a way that each sweeper (4; 41, 42, 43) has its specific divergence angle from the base head plane (L), such that between two adjacent sweepers (41, 42 as well as 42, 43) there is always a certain separation angle (b1, b2).



# **EUROPEAN SEARCH REPORT**

Application Number EP 13 19 6484

Category	Citation of document with indica			
	of relevant passages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	DE 20 2009 005760 U1 ASSIES TOBIAS [DE]) 23 July 2009 (2009-07) * the whole document	-23)	1-10	INV. A47L13/11
A	JP S61 92349 U (.) 14 June 1986 (1986-06 * abstract; figures 1	-14) ,2 *	1-10	
Ą	BE 421 828 A (BABUSIAI 30 June 1937 (1937-06 * the whole document	-30)	1-10	
A	DE 20 2008 012503 U1 [DE]) 4 December 2008 * abstract; figures 1	(2008-12-04)	1-10	
				TECHNICAL FIELDS SEARCHED (IPC)
				A47L
	The present search report has been	drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
	Munich	11 November 2014	Hub	orich, Klaus
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		E : earlier patent doc after the filing date D : document cited in L : document cited fo	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filling date D: document oited in the application L: document oited for other reasons 8: member of the same patent family, corresponding	

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

EP 13 19 6484

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.

11-11-2014

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 202009005760 U1	23-07-2009	NONE	
JP S6192349 U	14-06-1986	NONE	
BE 421828 A	30-06-1937	NONE	
DE 202008012503 U1	04-12-2008	DE 202008012503 U1 WO 2010031386 A1	04-12-200 25-03-201

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