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(11)

EP 1 459 669 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
29.09.2004 Bulletin 2004/40

(51) Int Cl.7: **A47K 3/02**

(43) Date of publication A2:
22.09.2004 Bulletin 2004/39

(21) Application number: **04388013.7**

(22) Date of filing: **02.03.2004**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PL PT RO SE SI SK TR**
Designated Extension States:
AL LT LV MK

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(30) Priority: **03.03.2003 DK 200300331**

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(54) **Tub made from wooden staves and a wooden bottom plate**

(57) A tub (10) comprises a plate (22) having a rim defining a continuous and differentiable curve having no tangential turning points. The plate (22) is formed by one or more wooden boards, the plate (22) defining a top side and a bottom side, the circumferential rim defines a wedge, the wedge defining a circumferential encircling notch at the top side of the plate (22) and/or at the bottom side of the plate (22). The tub (10) further comprises a plurality of oblong wooden elements or wooden staves (20), the elements (20) having a front side and a rear side and defining a top part and a bottom part, each of the elements (20) having a recess in the rear side at the bottom part. The wooden elements (20) are arranged

side by side circumferentially encircling the plate (22) and having the wedge of the plate (22) received in the recess of each of the elements (20). A groove is defined within the notch of the plate (22) between opposite walls of the rear side of the elements (20) and a wall of the notch facing the rear side. Still further, the tub (10) comprises two or more bands (12,14,16) of a corrosive resistant material, closely surrounding the wooden elements (20), and an elastic sealing compound sealing the junction between the plate (22) and the wooden elements (20), the sealing compound being received in the groove and adhering to the opposite walls exclusively.

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EUROPEAN SEARCH REPORT

Application Number
EP 04 38 8013

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	US 4 227 621 A (JONES LESLIE ET AL) 14 October 1980 (1980-10-14) * column 1, line 28 - column 2, line 2 * * column 3, line 6-14 * * column 3, line 45 - column 4, line 1 * * column 5, line 12 - column 6, line 45; figures 1,2,7,8 * ---	1,2,5,6	A47K3/02
A	US 4 290 241 A (TUCKER ROBERT S) 22 September 1981 (1981-09-22) * column 1, line 6-38 * * column 3, line 4-23; figure 1 * ---	1-3	
A	CH 245 452 A (BROGLE WERNER) 15 November 1946 (1946-11-15) ---		
A	CH 194 426 A (BIEDERMANN OTHMAR) 15 December 1937 (1937-12-15) -----		
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A47K B65D D06F E04H A61H
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 23 July 2004	Examiner Fajarnés Jessen, A
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)

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

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23-07-2004

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4227621 A	14-10-1980	CA 1120414 A1	23-03-1982
		BE 872228 A1	16-03-1979
		DE 2902215 A1	09-08-1979
		FI 783403 A	01-08-1979
		FR 2416100 A1	31-08-1979
		GB 2013152 A	08-08-1979
		JP 54105209 A	18-08-1979
		NL 7811501 A	02-08-1979
		SE 7811453 A	01-08-1979
US 4290241 A	22-09-1981	NONE	
CH 245452 A	15-11-1946	NONE	
CH 194426 A	15-12-1937	NONE	