



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 1 057 774 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
12.11.2003 Bulletin 2003/46

(51) Int Cl.7: **B66C 1/62, B66C 1/42**

(43) Date of publication A2:
06.12.2000 Bulletin 2000/49

(21) Application number: **00201885.1**

(22) Date of filing: **30.05.2000**

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

(71) Applicant: **Leppink Kampen Beheer
7461 TT Rijssen (NL)**

(72) Inventor: **Leppink, Gerrit Jan, Ir.
7462 ZH Rijssen (NL)**

(30) Priority: **31.05.1999 NL 1012188**

(54) Transporter

(57) A transporter for hoisting and rolling beer casks (12), provided with a buffer edge (16,17). The transporter comprises a clamp having two clamp halves (1,2), the ends of which are each provided with a wheel (8,9). The

wheels (8,9) are operationally placed on the inside of the buffer edges (16,17) of the cask. The clamp may be of a shearing type or of a telescopic sliding type. In both cases, the clamp is provided with a safety pin (15) for locking both clamp halves (1,2).

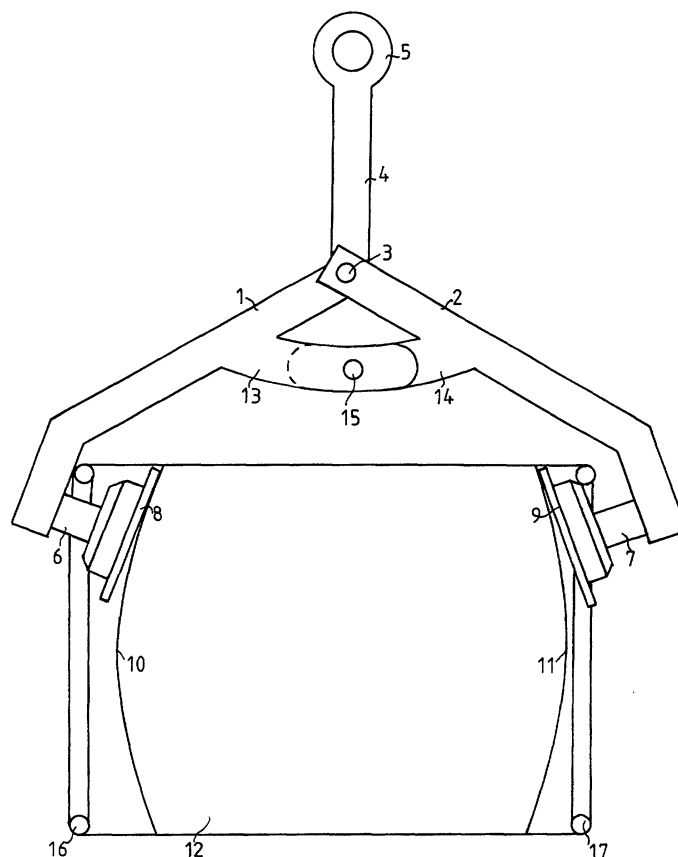


FIG. 1

EP 1 057 774 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 20 1885

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)
X	DE 12 22 638 B (ROMAN STRUCKL) 11 August 1966 (1966-08-11)	1	B66C1/62 B66C1/42
Y	* column 1, line 48 - line 52 * * column 2, line 25 - line 30 * * column 2, line 43 - column 3, line 12 * * figures 1-3 *	2-5,8	

X	GB 2 180 213 A (GIMSON & CO) 25 March 1987 (1987-03-25) * page 1, line 109 - line 125 * * figures 1,2 *	1,5-7	

X	US 3 021 167 A (OSTDIEK FRANCIS R) 13 February 1962 (1962-02-13) * figure 1 *	1	

Y	DE 93 01 403 U (KERNFORSCHUNGSZENTRUM KARLSRUHE GMBH) 11 March 1993 (1993-03-11) * page 5, paragraph 1 * * figure 1 *	2-4	

Y	GB 2 275 039 A (SKELTON KENNETH) 17 August 1994 (1994-08-17) * page 7, line 5 - line 16 *	5	TECHNICAL FIELDS SEARCHED (Int.Cl.7) B66C B66F

Y	US 3 175 719 A (HERNDON EDWARD C) 30 March 1965 (1965-03-30)	8	
A	* column 3, line 74 - column 4, line 14 * * figures 4,5 *	6,7	

A	US 2 429 193 A (BARTHOLOMEW CHARLES M ET AL) 14 October 1947 (1947-10-14) * figures 3,4 *	6	

A	US 4 619 475 A (SYLVEST II LAWRENCE E) 28 October 1986 (1986-10-28) * figures 1,2 *	6	

The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 15 September 2003	Examiner Ferrien, Y
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.**

EP 00 20 1885

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.

15-09-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 1222638	B	11-08-1966	NONE	
GB 2180213	A	25-03-1987	NONE	
US 3021167	A	13-02-1962	NONE	
DE 9301403	U	11-03-1993	DE 9301403 U1	11-03-1993
GB 2275039	A	17-08-1994	NONE	
US 3175719	A	30-03-1965	NONE	
US 2429193	A	14-10-1947	NONE	
US 4619475	A	28-10-1986	CA 1238930 A1	05-07-1988
			EP 0205343 A2	17-12-1986
			NO 862247 A	11-12-1986