



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**01.02.2012 Bulletin 2012/05**

(51) Int Cl.:  
**B27B 31/04 (2006.01)**

(43) Date of publication A2:  
**10.08.2011 Bulletin 2011/32**

(21) Application number: **11153509.2**

(22) Date of filing: **07.02.2011**

(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**

(71) Applicant: **Martek-Sapientia Oy**  
**32201 Loimaa (FI)**

(72) Inventor: **Ylitalo, Matti**  
**32200, LOIMAA (FI)**

(74) Representative: **Suominen, Kaisa Liisa**  
**Turun Patenttitoimisto Oy**  
**P.O.Box 99**  
**20521 Turku (FI)**

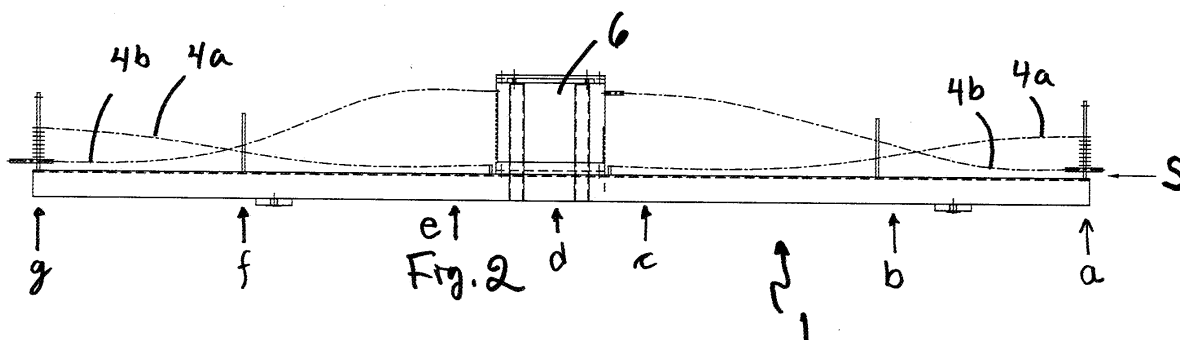
(30) Priority: **05.02.2010 FI 20100050 U**

(54) **Wood block handling**

(57) The invention comprises an arrangement and a method in wood block (2) handling. The method comprises

- sawing blocks (2) of a desired length from an elongated wood material with one or more automatic cutting saws, which blocks have a longitudinal direction (S);
- separating the blocks (2) after the automatic cutting saw into different grades according to a desired position of the sawed block (2);

- transferring the blocks in a transfer device (1) in their longitudinal direction (S) toward a next handling stage;
- turning the sawed blocks (2) around their longitudinal axis into the desired position before they are fed into the next handling stage,
- turning the sawed blocks (2) around their longitudinal axis in the turning chute (3) arranged in connection with the transfer device (1) at the same time as the blocks (2) are transferred in the longitudinal direction toward the next handling stage.





## EUROPEAN SEARCH REPORT

Application Number  
EP 11 15 3509

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	JP 58 163601 A (DAICHIYOU TETSUKOU KK) 28 September 1983 (1983-09-28) * figures 1-5 *	1,6, 13-15	INV. B27B31/04
A	DE 10 2007 006288 A1 (ESTERER WD GMBH [DE]) 21 August 2008 (2008-08-21) * paragraph [0029] * * figures *	1,6, 13-15	
A	CA 2 578 335 A1 (COE NEWNES MCGEHEE INC [CA]) 13 August 2008 (2008-08-13) * page 1, lines 5-8 *	1,6, 13-15	
A	GB 2 158 394 A (RAUTIO KAUKO) 13 November 1985 (1985-11-13) * the whole document *	1,6, 13-15	
			TECHNICAL FIELDS SEARCHED (IPC)
			B23B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 22 December 2011	Examiner Chariot, David
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	

1  
EPO FORM 1503 03.82 (P04C01)

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

EP 11 15 3509

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.

22-12-2011

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 58163601 A	28-09-1983	NONE	
DE 102007006288 A1	21-08-2008	NONE	
CA 2578335 A1	13-08-2008	NONE	
GB 2158394 A	13-11-1985	AT 396668 B AU 580800 B2 AU 4846285 A CA 1262107 A1 DE 3513837 A1 ES 8606057 A1 FI 69585 B FR 2563762 A1 GB 2158394 A SE 458429 B SE 8502137 A US 4621971 A	25-11-1993 02-02-1989 16-04-1987 03-10-1989 07-11-1985 01-10-1986 29-11-1985 08-11-1985 13-11-1985 03-04-1989 04-11-1985 11-11-1986