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(54) **Timber working unit**

(57) The invention relates to a timber working unit for machining crib grooves in the log and for cutting the log to size, the unit comprising at least two device frames (1, 2) disposed at a distance from each other, the distance.between which can be adjusted. The device frame (1) comprises a cutting tool (3) for cutting the log to be worked and a milling tool (4) for machining a crib groove in the log to be worked (5), as well as a conveyor chain (6) with its support arrangements for conveying the log to be worked in the crosswise direction through the manufacturing phases of the device frames. According to the invention, the support arrangements include in the conveyor chain (6) a rigid pusher stop (7) for conveying the log to be worked (5) along with the motion of the conveyor chain; in the machining area of the cutting tool (3) and milling tool (4), a lower support (8) supporting the log; as well as in the machining area of the cutting tool and milling tool, a tightening element (9) provided with elasticity, pressing the log against the lower support. In addition, the machining directions of the cutting tool and milling tool are arranged to press the log to be worked'against a space which is open forwards in the direction of motion of the log and defined by the lower support, pusher stop and tightening element.

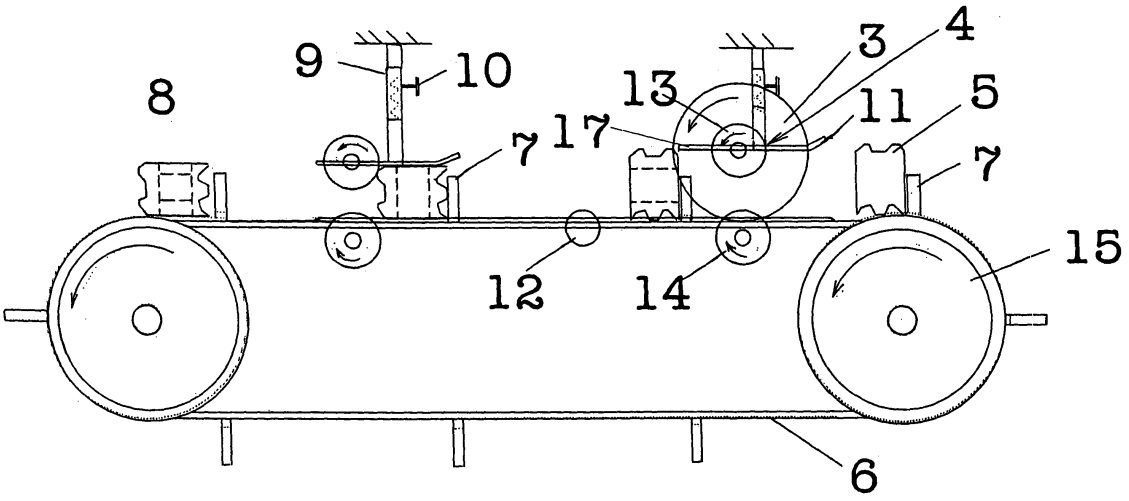


fig 1

EP 1 403 015 A3

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EUROPEAN SEARCH REPORT

Application Number
EP 03 39 6088

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	WO 00/61339 A (PUDAS ESA [FI]) 19 October 2000 (2000-10-19) * abstract * * page 1, lines 1-30 * * page 2, lines 1-36 * * page 3, line 18 - page 4, line 32 * * page 5, lines 6-12 * * page 5, lines 25-34 * * page 6, lines 5-34 * * page 7, lines 1-6 * * page 7, lines 16-19 * * page 7, lines 29-32 * * figures * -----	1-5,8	INV. B27M1/08 B27B33/20 B27B25/04
Y	US 5 617 910 A (HILL DAVID A [US]) 8 April 1997 (1997-04-08) * abstract * * column 1, lines 8-14 * * column 2, lines 22-52 * * figures * -----	1-5,8	

TECHNICAL FIELDS SEARCHED (IPC)

B27B
B27M

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	24 September 2007	Hamel, Pascal

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
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4

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