

Title (en)  
Milling machine for machining wood beams

Title (de)  
Fräsmaschine zur Bearbeitung von Holzbalken

Title (fr)  
Fraiseuse pour l'usinage de poutres en bois

Publication  
**EP 1923183 A1 20080521 (EN)**

Application  
**EP 07118666 A 20071017**

Priority  
IT PD20060426 A 20061115

Abstract (en)  
A milling machine for machining on wood beams, which comprises a guided movement line (11) for a beam (12) to be machined and a milling station (13) which comprises two milling assemblies (18, 19) which are controlled by electronic means (20) and are each adapted to mill mutually opposite faces (12a, 12b, 12c, 12d) of the same portion of beam (12). The milling assemblies (18, 19) each comprise a single cutter (23, 30) which is associated with respective means (21) for translational motion along two respective perpendicular directions which lie on a plane which is arranged transversely with respect to the direction of the movement line (11). The electronic means (20) coordinating the translational motion means (21) in order to allow simultaneously the cutters (23, 30), arranged at the beginning of the milling sequence on corresponding contiguous faces (12a, 12b, 12c, 12d) of the beam (12), a first stroke for milling along a respective face (12b, 12c), a second idle stroke along a face (12c, 12d) which is contiguous to the previously milled one, and a third stroke for milling along the face (12d, 12a) which is parallel to the previously milled one; the cutters (23, 30) are moved around the beam (12) along a same direction of motion.

IPC 8 full level  
**B27C 9/04** (2006.01); **B27F 1/02** (2006.01); **B27M 1/08** (2006.01)

CPC (source: EP)  
**B27C 9/04** (2013.01); **B27F 1/02** (2013.01); **B27M 1/08** (2013.01)

Citation (applicant)  
EP 1712337 A1 20061018 - BALESTRINI RENZO SPA [IT]

Citation (search report)  
• [XY] EP 1712337 A1 20061018 - BALESTRINI RENZO SPA [IT]  
• [YA] DE 19819383 A1 19981105 - BIESSE SPA [IT]  
• [YA] EP 0808689 A2 19971126 - ALBERTI VITTORIO SPA [IT]

Cited by  
ITPD20120181A1; EP2671697A1; CN102794797A; EP4331794A1; FR3093943A1; US11648705B2; WO2019182046A1; JP2019166657A; ITBO20110010A1; EP2353820A3; EP2894018A1; WO2022171600A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1923183 A1 20080521**; IT PD20060426 A1 20080516; RU 2007142198 A 20090520; RU 2447988 C2 20120420

DOCDB simple family (application)  
**EP 07118666 A 20071017**; IT PD20060426 A 20061115; RU 2007142198 A 20071114