

Title (en)  
LOG SAW MACHINE WITH GRINDING WHEELS AND GRINDING METHOD

Title (de)  
SÄGEMASCHINE FÜR ROLLE MIT SCHLEIFSCHEIBEN UND SCHLEIFVERFAHREN

Title (fr)  
MACHINE DE SCIAGE DE ROULEAUX COMPRENANT DES MEULES ET PROCÉDÉ DE MEULAGE

Publication  
**EP 3448644 A1 20190306 (EN)**

Application  
**EP 17718877 A 20170414**

Priority  
• IT UA20162916 A 20160427  
• EP 2017059053 W 20170414

Abstract (en)  
[origin: WO2017186520A1] The saw machine (1) comprises a feeding path (PA) for the logs (L) to be cut and a cutting head (5) arranged along the feeding path (PA). The cutting head comprises a disc-shaped cutting blade (9) rotating around a rotation axis (B-B) and provided with a cyclic movement for cutting the logs (L). The cutting head 5 also comprises two grinding wheels (32, 34), which are arranged and configured to grind two sides of a cutting edge (9B) of the disc-shaped cutting blade (9), and each of which rotates around its rotation axis (C-C; D-D). The grinding wheels (32, 34) are so arranged, with respect to the disc-shaped cutting blade (9), that, in a contact area (Z32, Z34) between each grinding wheel (32; 34) and 10 the disc-shaped cutting blade (9), the grinding wheel (32; 34) has a velocity directed towards the inside of the cutting edge.

IPC 8 full level  
**B26D 7/12** (2006.01); **B24B 3/36** (2006.01); **B24B 3/46** (2006.01); **B26D 3/16** (2006.01)

CPC (source: EP)  
**B24B 3/368** (2013.01); **B24B 3/46** (2013.01); **B26D 3/16** (2013.01); **B26D 7/12** (2013.01); **B26D 1/16** (2013.01); **B26D 2210/11** (2013.01)

Citation (search report)  
See references of WO 2017186520A1

Cited by  
CN112296845A

Designated contracting state (EPC)  
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 state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2017186520 A1 20171102**; BR 112018071770 A2 20190219; CN 109311177 A 20190205; EP 3448644 A1 20190306; EP 3448644 B1 20200212; ES 2788683 T3 20201022; IT UA20162916 A1 20171027

DOCDB simple family (application)  
**EP 2017059053 W 20170414**; BR 112018071770 A 20170414; CN 201780032674 A 20170414; EP 17718877 A 20170414; ES 17718877 T 20170414; IT UA20162916 A 20160427