

Title (en)

SAWING TOOL FOR A MANUAL CIRCULAR SAWING MACHINE WITH COAXIAL SAW BLADES THAT CAN BE DRIVEN IN OPPOSITE DIRECTION

Title (de)

SÄGEWERKZEUG FÜR EINE HANDKREISSÄGEMASCHINE MIT GEGENLÄUFIG ANTREIBBAREN, KOAXIALEN SÄGEBLÄTTERN

Title (fr)

OUTIL DE SCIAGE POUR UNE SCIE CIRCULAIRE MECANIQUE PORTATIVE PRESENTANT DES LAMES DE SCIE COAXIALES POUVANT FONCTIONNER EN SENS OPPOSE

Publication

EP 1349692 A1 20031008 (DE)

Application

EP 01978200 A 20010929

Priority

- DE 0103751 W 20010929
- DE 10059969 A 20001202

Abstract (en)

[origin: WO0243911A1] The invention relates to a sawing tool for a manual circular sawing machine comprising two coaxial saw blades (11, 11') that can be driven in opposite direction and that can rotate immediately past each other. The invention aims at enabling a constructionally simple generation of an axial force in each of the saw blades (11, 11'), said force preventing the saw blades (11, 11') from pushing apart during the cutting process. The front cutting edge (161, 161') of each major cutting edge (16, 16') rotating in the direction of rotation lies on a plane extending through the axis of the saw blades (18, 18'). The major cutting edges (16, 16') are slanted in the direction of the axis of the saw blades (18, 81') in such a manner that they tilt from the sides of the blades of the saw blades (11, 11') that face each other to the sides of the blades that are opposite each other.

IPC 1-7

B23D 45/16; **B23D 61/02**

IPC 8 full level

B27B 33/02 (2006.01); **B23D 45/16** (2006.01); **B23D 61/02** (2006.01); **B23D 61/04** (2006.01)

CPC (source: EP US)

B23D 45/165 (2013.01 - EP US); **B23D 61/026** (2013.01 - EP US); **Y10T 83/9362** (2015.04 - EP US)

Citation (search report)

See references of WO 0243911A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 0243911 A1 20020606; DE 10059969 A1 20020606; EP 1349692 A1 20031008; JP 2004513798 A 20040513; US 2003136242 A1 20030724

DOCDB simple family (application)

DE 0103751 W 20010929; DE 10059969 A 20001202; EP 01978200 A 20010929; JP 2002545874 A 20010929; US 18241302 A 20021224