

Title (en)

Circular saw blade having a support disc with holes of different sizes

Title (de)

Kreissägeblatt mit Löcher unterschiedlicher Diameter aufweisendem Stamblatt

Title (fr)

Lame de scie circulaire ayant un corps de lame à trous de diamètres différents

Publication

**EP 1270161 A1 20030102 (EN)**

Application

**EP 01305679 A 20010629**

Priority

EP 01305679 A 20010629

Abstract (en)

A circular saw blade (1) has a pattern of holes (5) in its body and cutting elements (3) around its periphery. The presence of the holes (5) enhances the properties of the circular saw blade, examples of which are improved heat dissipation and reduced weight. Holes of various sizes are arranged on the saw in such a way so as to provide the associated benefits in certain regions of the saw whilst maintaining structural strength in other regions of the saw, as it is required. <IMAGE>

IPC 1-7

**B28D 1/12; B23D 61/02**

IPC 8 full level

**B23D 61/02** (2006.01)

CPC (source: EP)

**B23D 61/025** (2013.01)

Citation (search report)

- [XA] EP 0836903 A1 19980422 - SAID S P A [IT]
- [X] DE 29910442 U1 20001019 - DIEWE DIAMANTWERKZEUGE GMBH [DE]
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- [A] FR 980209 A 19510509
- [A] DE 29917361 U1 20000810 - JANSEN HERFELD ROETTGER FA [DE]
- [A] US 212813 A 18790304
- [X] DATABASE WPI Section PQ Week 199809, Derwent World Patents Index; Class P63, AN 1998-099326, XP002184473
- [X] SOVIET INVENTIONS ILLUSTRATED Section PQ Week 9101, Derwent World Patents Index; Class P63, AN 91-005476, XP002184442

Designated contracting state (EPC)

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