

Title (en)  
Diamond saw blade.

Title (de)  
Diamant-Sägeblatt.

Title (fr)  
Lame de scie diamantée.

Publication  
**EP 0358615 A1 19900314 (EN)**

Application  
**EP 89850179 A 19890531**

Priority  
US 24103688 A 19880906

Abstract (en)  
A blade having (32, 72, 98) a core with heat notches (40, 44, 80, 92) separating wear surfaces and diamond impregnated segments (34, 11, 100) soldered in notches in the wear surfaces (36, 38, 74, 78, 96). The blade is useful to cut and widen cracks or pins in asphalt and concrete surfaces. The wide diamond segments require the mechanical lock of the notches to hold them to the core.

IPC 1-7  
**B28D 1/12; E01C 23/09**

IPC 8 full level  
**B23D 61/02** (2006.01); **B28D 1/12** (2006.01); **E01C 23/09** (2006.01)

CPC (source: EP)  
**B23D 61/025** (2013.01); **B28D 1/121** (2013.01); **E01C 23/0933** (2013.01)

Citation (search report)  
• [X] FR 1403863 A 19650625 - ARC  
• [X] US 3517463 A 19700630 - NIEMIEC STEPHEN M  
• [Y] DE 172082 C  
• [Y] DE 174441 C  
• [A] SOVIET INVENTIONS ILLUSTRATED, sections P,Q, week E 38, November 3, 1982 DERWENT PUBLICATIONS LTD., London, P 64

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EP1172168A1; EP1612018A1

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

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