

Title (en)
Wheel for cutting-off or grinding

Title (de)
Trenn- oder Schleifscheibe

Title (fr)
Disque à tronçonner ou une meule

Publication
EP 1749618 B1 20080903 (DE)

Application
EP 06117648 A 20060721

Priority
DE 202005012312 U 20050805

Abstract (en)
[origin: DE202005012312U1] An improved design of cutting disc, especially for masonry and other hard materials, has cutting segments (2) around the rim separated by short radial slots (3) for cleaning debris and for spreading cooling fluid. The inside ends of the slots are terminated by round bores (4) through the disc and with countersunk profiles at both faces of the disc. The countersunk profiles reduce stress and reduce the risk of cracking especially resulting from micro impulses generated by the cutting action.

IPC 8 full level
B24D 5/12 (2006.01); **B23D 61/02** (2006.01); **B28D 1/12** (2006.01); **B28D 1/24** (2006.01)

CPC (source: EP)
B23D 61/021 (2013.01); **B24D 5/123** (2013.01); **B28D 1/121** (2013.01)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
DE 202005012312 U1 20051020; DE 502006001477 D1 20081016; EP 1749618 A1 20070207; EP 1749618 B1 20080903

DOCDB simple family (application)
DE 202005012312 U 20050805; DE 502006001477 T 20060721; EP 06117648 A 20060721