

Title (en)  
CUTTING TIP AND TOOL

Title (de)  
SCHNEIDSPITZE UND -WERKZEUG

Title (fr)  
TÊTE DE COUPE ET SON OUTIL

Publication  
**EP 2167790 A1 20100331 (EN)**

Application  
**EP 08757037 A 20080702**

Priority  

- AU 2008000969 W 20080702
- AU 2007903569 A 20070702
- AU 2007903627 A 20070704

Abstract (en)  
[origin: WO2009003233A1] A cutting tip (10) for a mechanical excavator comprises a tip body (11) having a generally pointed distal end (12), a proximal end (13) spaced from the distal end, and a wall (14) that diverges outwardly from the distal end towards the proximal end. The wall (14) is profiled to induce a non-uniform stress profile on the material impacted by the cutting tip to facilitate radial cracking in that material. In one form, the wall (14) is profiled to include a plurality of ridges (15) and intermediate regions (16), with the ridges (15) being arranged to induce a higher stress concentration in the impacted material than the intermediate regions (16).

IPC 8 full level  
**E21C 35/18** (2006.01)

CPC (source: EP)  
**E21C 35/183** (2013.01); **E21C 35/1837** (2020.05)

Citation (search report)  
See references of WO 2009003233A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**WO 2009003233 A1 20090108**; AU 2008271918 A1 20090108; CA 2699539 A1 20090108; CN 101790621 A 20100728; EA 016278 B1 20120330; EA 201070081 A1 20100630; EP 2167790 A1 20100331

DOCDB simple family (application)  
**AU 2008000969 W 20080702**; AU 2008271918 A 20080702; CA 2699539 A 20080702; CN 200880104880 A 20080702; EA 201070081 A 20080702; EP 08757037 A 20080702