

Title (en)  
CUTTING PICK, WEAR AND MOUNTING SYSTEM FOR MINING MACHINE

Title (de)  
SCHNEIDESPITZE, SCHUTZKLEIDUNG UND MONTAGESYSTEM FÜR EINE ABBAUMASCHINE

Title (fr)  
SYSTÈME DE PIC DE COUPE, D'USURE ET DE MONTAGE POUR MACHINE MINIÈRE

Publication  
**EP 2547830 A1 20130123 (EN)**

Application  
**EP 11755573 A 20110318**

Priority  
• AU 2010901134 A 20100318  
• AU 2011000314 W 20110318

Abstract (en)  
[origin: WO2011113113A1] A tool system for a mining machine. The tool comprises a tool holder (12) and a cutting tool pick (14) with a cutting tip (16). The mounting end of the tool comprises a tapered shank (18) in a corresponding tapered socket (20) of the tool holder (12). There may be a wear plate (24) situated between the tool holder (12) and the tool (14). There may be further removable wear plates (30) positioned between the tool holder and the tool in the shank region, these wear plates may have lateral projections (29) engaging corresponding recesses (32) in the shank region of the body (12). All these wear plates may be sacrificial and are able to be replaced upon wear, thus less damage will occur to the shank region of the tool or the holder body. The tool assembly may further include a pin (42) which can engage both the tool and holder by extending through aligned openings, opening (40) in the tool holder and opening (38) in the tool. The pin may be resiliently held in place. A spray unit (25) extends through the wear part (24) and has an outlet (25a) to direct fluid toward the cutting tip (16).

IPC 8 full level  
**E02F 9/28** (2006.01); **E21C 35/19** (2006.01)

CPC (source: CN EP US)  
**E02F 9/2825** (2013.01 - CN EP US); **E02F 9/2833** (2013.01 - CN); **E02F 9/2858** (2013.01 - CN); **E02F 9/2866** (2013.01 - CN EP US); **E21C 35/18** (2013.01 - US); **E21C 35/19** (2013.01 - CN EP US); **E21D 9/10** (2013.01 - CN)

Citation (search report)  
See references of WO 2011113113A1

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

DOCDB simple family (publication)  
**WO 2011113113 A1 20110922**; AU 2011229158 A1 20121108; AU 2012200898 A1 20120322; AU 2012200898 B2 20120830; AU 2012200898 C1 20140306; AU 2012200898 C8 20150219; CN 102822424 A 20121212; CN 102822424 B 20151202; CN 105370276 A 20160302; CN 105370276 B 20190222; CN 105464660 A 20160406; CN 105464660 B 20181218; CN 105464661 A 20160406; CN 105464661 B 20180119; EP 2547830 A1 20130123; US 2013076102 A1 20130328

DOCDB simple family (application)  
**AU 2011000314 W 20110318**; AU 2011229158 A 20110318; AU 2012200898 A 20110318; CN 201180014622 A 20110318; CN 201510800917 A 20110318; CN 201510800973 A 20110318; CN 201510801635 A 20110318; EP 11755573 A 20110318; US 201113635660 A 20110318