

Title (en)
GROUND SCRAPER

Title (de)
BODENSCHÜRFER

Title (fr)
DECAPEUSE DE SOL

Publication
EP 1831472 A4 20080402 (EN)

Application
EP 05818405 A 20051219

Priority
• AU 2005001918 W 20051219
• AU 2004907199 A 20041220

Abstract (en)
[origin: WO2006066318A1] A ground scraper (10) comprises a bowl (12) for holding excavated ground material, a cutting edge (14) mounted at an open side of the bowl for excavating the ground material, a hitch assembly (56) pivotally coupled to the bowl for coupling the ground scraper to a powered vehicle and an apron (44) pivotally mounted to the bowl for closing the open side of the bowl. An axis of rotation (50) of the apron is substantially parallel to, forward of and above a longitudinal axis of the cutting edge. The axis of rotation is located in a plane extending from the cutting edge and the plane is inclined between 15° and 30° to a vertical plane extending from the cutting edge.

IPC 8 full level
E02F 3/64 (2006.01)

CPC (source: EP US)
E02F 3/6481 (2013.01 - EP US); **E02F 3/65** (2013.01 - EP US); **E02F 3/657** (2013.01 - EP US); **E02F 3/658** (2013.01 - EP US)

Citation (search report)
• [XY] SU 996648 A1 19830215 - SIBIRSK AVTOMOBIL DOROZH INST [SU]
• [YA] US 4393608 A 19830719 - HODGE JOHN R [AU]
• [A] US 2224438 A 19401210 - LE BLEU CHARLES
• [A] SU 1602934 A1 19901030 - SHAVOLOV ANDREJ S [SU], et al
• [A] US 6041528 A 20000328 - BROACH KEITH A [US]
• [A] US 3574960 A 19710413 - PETERSON ROBERT A, et al
• See references of WO 2006066318A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
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DOCDB simple family (publication)
WO 2006066318 A1 20060629; EP 1831472 A1 20070912; EP 1831472 A4 20080402; US 2009077838 A1 20090326

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AU 2005001918 W 20051219; EP 05818405 A 20051219; US 71934905 A 20051219