

Title (en)
Rotary knife

Title (de)
Rotationsmesser

Title (fr)
Couteau rotatif

Publication
EP 1598159 B1 20081224 (DE)

Application
EP 05009552 A 20050430

Priority
DE 102004023670 A 20040513

Abstract (en)
[origin: EP1598159A1] The rotary cutter is designed as a sickle blade (1) or circular blade with a cutting face (3) which has different sized blades starting from the cutting edge (2) and ending in the inclined flat part (4). An alternating sequence of the blades produces a corrugated surface structure. The number, sequence and angular measurements of the cutting angles are determined in dependence on the substance being cut.

IPC 8 full level
B26D 1/00 (2006.01); **B23D 25/02** (2006.01)

CPC (source: EP US)
B26D 1/0006 (2013.01 - EP US); **B26D 2001/0046** (2013.01 - EP US); **B26D 2001/0053** (2013.01 - EP US); **B26D 2001/006** (2013.01 - EP US); **Y10S 83/932** (2013.01 - EP US); **Y10T 83/4824** (2015.04 - EP US); **Y10T 83/4827** (2015.04 - EP US); **Y10T 83/9379** (2015.04 - EP US); **Y10T 83/9394** (2015.04 - EP US); **Y10T 83/9403** (2015.04 - EP US)

Cited by
DE102013217137A1; EP2204268A1; CN109863005A; EP2799194A1; US8136435B2; WO2015164901A1; US8424436B2; WO2014114579A2; US9393662B2; WO2014114579A3; WO2009027080A1; EP2948279B1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1598159 A1 20051123; **EP 1598159 B1 20081224**; AT E418426 T1 20090115; DE 102004059479 A1 20051208; DE 102004059479 B4 20060406; DE 502005006308 D1 20090205; ES 2320143 T3 20090519; US 2005262980 A1 20051201; US 7856913 B2 20101228

DOCDB simple family (application)
EP 05009552 A 20050430; AT 05009552 T 20050430; DE 102004059479 A 20041210; DE 502005006308 T 20050430; ES 05009552 T 20050430; US 12958505 A 20050513