

Title (en)
Sickle blade

Title (de)
Sichelmesser

Title (fr)
Lame falciforme

Publication
EP 2529903 A1 20121205 (DE)

Application
EP 12170658 A 20120604

Priority
DE 102011103462 A 20110603

Abstract (en)
The knife (1) has a convex bent cutting edge (2) whose distance is increased from a rotational axis (10) in progression direction of a contact region of the knife to a cutting material. The cutting edge is provided with a spiral-shaped outer circumferential contour. A cutting surface of front side (8) of the knife is arranged at cutting angle of 33 degrees to a main plane. A groove is arranged on the front side and radial-inwardly displaceable with respect to the cutting surface. The groove is extended along entire peripheral length of the cutting edge.

Abstract (de)
Um bei rotierenden Schneidmessern (1) mit spiraler Schneidkante (2) das Anhaften der abgetrennten Scheibe (20) am Messer (1) sowie deren Mitnahme zu verhindern, wird eine Kombination aus einem relativ großen Schneidwinkel (6) und einer radial innerhalb der Schneidfläche (5) liegenden Hohlkehle (7) in der Vorderseite (8) des Messers (1) vorgeschlagen.

IPC 8 full level
B26D 1/00 (2006.01); **B26D 1/547** (2006.01); **B26D 3/00** (2006.01); **B26D 7/26** (2006.01); **B26F 3/12** (2006.01); **B26D 1/14** (2006.01); **B26D 5/10** (2006.01)

CPC (source: EP)
B26D 1/0006 (2013.01); **B26D 1/14** (2013.01); **B26D 2001/0053** (2013.01); **B26D 2210/02** (2013.01)

Citation (applicant)
• DE 19612055 A1 19971002 - WABAEMA GMBH [DE]
• DE 102007040350 A1 20090305 - WEBER MASCHB GMBH [DE]
• DE 29605039 U1 19960515 - WABAEMA GMBH [DE]

Citation (search report)
• [A] DE 29800868 U1 19990520 - RASSPE INTERNATIONAL GMBH & CO [DE]
• [AD] DE 102007040350 A1 20090305 - WEBER MASCHB GMBH [DE]
• [AD] DE 19612055 A1 19971002 - WABAEMA GMBH [DE]
• [AD] DE 29605039 U1 19960515 - WABAEMA GMBH [DE]

Cited by
CN115433903A; CN105026121A; CN113059607A; WO2020130092A1; WO2015059016A1; JPWO2020130092A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2529903 A1 20121205; **EP 2529903 B1 20140806**; DE 102011103462 A1 20121206

DOCDB simple family (application)
EP 12170658 A 20120604; DE 102011103462 A 20110603