

Title (en)
KNIFE FOR A SHREDDING MACHINE

Title (de)
MESSER FÜR EINE ZERKLEINERUNGSMASCHINE

Title (fr)
COUTEAU DE BROYEUR

Publication
EP 3248688 A1 20171129 (DE)

Application
EP 16171760 A 20160527

Priority
EP 16171760 A 20160527

Abstract (en)
[origin: CA3024173A1] Knife (1, 2) for a comminuting machine (3) for comminuting material, having two mutually parallel base surfaces (4, 5) and at least three lateral surfaces (6, 7, 8, 9), wherein a cutting device (10) and a chip space (11) formed adjacent thereto are provided on at least one base surface (4, 5) in the region where two lateral surfaces (6, 7, 8, 9) coincide, wherein the cutting device (10) is designed as a cutting edge, and the chip space (11) is inclined with respect to the at least one base surface (4, 5) in such a way that material comminuted by the cutting device (10) can preferably be conveyed in the direction (12) of one of the lateral surfaces (6, 7, 8, 9), wherein the chip space (11) extends, preferably exclusively, between the two coinciding lateral surfaces (6, 7, 8, 9) and has a first material outlet edge (19) on one of the two coinciding lateral surfaces (6, 7, 8, 9) and a second material outlet edge (20) on the other of the two coinciding lateral surfaces (6, 7, 8, 9), wherein the first material outlet edge (19) is sunk deeper than the second material outlet edge (20) relative to the at least one base surface (4, 5), with the result that, by virtue of the inclination of the chip space (11), the most part of the material comminuted by the cutting device leaves the knife (1) at the first material outlet edge (19).

Abstract (de)
Messer (1, 2) für eine Zerkleinerungsmaschine (3) zum Zerkleinern von Material, mit zwei Grundflächen (4, 5) und zumindest drei Seitenflächen (6, 7, 8, 9), wobei an zumindest einer Grundfläche (4, 5) im Bereich des Zusammentreffens zweier Seitenflächen (6, 7, 8, 9) eine Schneidvorrichtung (10) und ein benachbart dazu ausgebildeter Spanraum (11) vorgesehen sind, wobei die Schneidvorrichtung (10) als Schneidkante ausgebildet ist, und der Spanraum (11) derart gegenüber der zumindest einen Grundfläche (4, 5) geneigt ist, dass durch die Schneidvorrichtung (10) zerkleinertes Material bevorzugt in Richtung (12) einer der Seitenflächen (6, 7, 8, 9) beförderbar ist.

IPC 8 full level
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B02C 18/145 (2013.01 - EP KR US); **B02C 18/18** (2013.01 - EP US); **B02C 18/184** (2013.01 - KR); **B02C 2201/06** (2013.01 - KR)

Citation (applicant)
EP 2848311 A1 20150318 - LINDNER MANUEL [AT]

Citation (search report)
• [XVI] DE 102007043687 A1 20090305 - WILLIBALD GMBH J [DE]
• [Y] US 2010084498 A1 20100408 - CHANG YU-CHUN [TW]
• [YD] EP 2848311 A1 20150318 - LINDNER MANUEL [AT]

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EP3892378A1; WO2021204954A1

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KR 20180003657 U 20181227; MX 2018014528 A 20190221; PL 3248688 T3 20181031; PT 3248688 T 20180725; RS 57485 B1 20181031;
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