

Title (en)
Device for treating material

Title (de)
Vorrichtung zur Materialaufbereitung

Title (fr)
Dispositif de traitement de matière

Publication
EP 1514603 A3 20050727 (DE)

Application
EP 04021326 A 20040908

Priority
DE 20314136 U 20030910

Abstract (en)
[origin: EP1514603A2] Device comprises a comminuting device having at least one shaft supporting disks with comminuting tools (6, 7). A recess (64) is formed in the direction of rotation in front of the cutting tools of each disk. At least two recesses have different designs. Preferred Features: The recesses have different lengths in the peripheral direction and different depths.

IPC 1-7
B02C 4/08; **B02C 4/10**; **B02C 18/14**; **B02C 21/00**; **B02C 23/02**; **B02C 13/20**; **B02C 18/18**; **B02C 4/30**

IPC 8 full level
B02C 4/08 (2006.01); **B02C 4/10** (2006.01); **B02C 4/30** (2006.01); **B02C 13/20** (2006.01); **B02C 18/14** (2006.01); **B02C 18/18** (2006.01); **B02C 21/00** (2006.01); **B02C 23/02** (2006.01)

CPC (source: EP)
B02C 4/08 (2013.01); **B02C 4/10** (2013.01); **B02C 4/30** (2013.01); **B02C 13/20** (2013.01); **B02C 18/142** (2013.01); **B02C 18/182** (2013.01); **B02C 21/00** (2013.01); **B02C 23/02** (2013.01)

Citation (search report)

- [XP] DE 20314136 U1 20031204 - SCHENK JUERGEN [DE]
- [EL] WO 2004101156 A1 20041125 - SCHENK JUERGEN [DE]
- [YD] DE 20214956 U1 20021128 - SCHENK JUERGEN [DE]
- [Y] US 6402070 B1 20020611 - ISHIDA NORIYUKI [JP], et al
- [AP] DE 10235241 A1 20031113 - GAIL FRANZ [DE]
- [A] EP 0255504 A2 19880203 - VOEST ALPINE AG [AT]
- [A] DE 4418627 A1 19941201 - HITACHI LTD [JP]

Cited by
CN111632701A; US7891590B2; WO2017191134A1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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