

Title (en)

METHOD AND SYSTEM FOR COMMINUTING AND CLEANING WASTE PLASTIC

Title (de)

VERFAHREN UND ANLAGE ZUR ZERKLEINERUNG UND REINIGUNG VON ABFALLKUNSTSTOFF

Title (fr)

PROCEDE ET DISPOSITIF POUR FRAGMENTER ET PURIFIER DES DECHETS DE MATIERE PLASTIQUE

Publication

EP 1868786 B9 20090610 (DE)

Application

EP 06723603 A 20060321

Priority

- EP 2006002602 W 20060321
- DE 102005013693 A 20050321

Abstract (en)

[origin: US2008191069A1] Method for comminuting and cleaning waste plastic, in particular, mixed plastic (MKS) with the following steps: a compacted material, especially, an agglomerate is produced from film scraps or film remnants comminuted into flakes and/or thick-walled plastic parts chopped up into chips, the compacted material is introduced into a disc or drum refiner and is ground therein in the presence of water, wherein the portion of compacted material of the goods located in the refiner amounts to at least 10 percent by weight, a fine grain fraction is removed from the ground stock exiting from the refiner, the remaining ground stock is washed and either mechanically dewatered and dried, or pulverized again in a further refiner stage in the presence of water, and subsequently dewatered and dried.

IPC 8 full level

B29B 17/00 (2006.01); **B29B 17/02** (2006.01)

CPC (source: EP KR US)

B29B 17/00 (2013.01 - KR); **B29B 17/02** (2013.01 - EP KR US); **B29B 17/0404** (2013.01 - EP US); **D21B 1/12** (2013.01 - EP US); **B27N 3/00** (2013.01 - EP US); **B29B 2017/0015** (2013.01 - EP US); **B29B 2017/0203** (2013.01 - EP US); **B29B 2017/0224** (2013.01 - EP US); **B29B 2017/0244** (2013.01 - EP US); **B29B 2017/0484** (2013.01 - EP US); **B29K 2023/06** (2013.01 - EP US); **B29K 2023/12** (2013.01 - EP US); **B29K 2025/00** (2013.01 - EP US); **B29K 2027/06** (2013.01 - EP US); **B29K 2067/00** (2013.01 - EP US); **B29K 2077/00** (2013.01 - EP US); **B29K 2105/065** (2013.01 - EP US); **B29K 2705/02** (2013.01 - EP US); **B29K 2709/08** (2013.01 - EP US); **B29L 2007/00** (2013.01 - EP US); **B29L 2007/008** (2013.01 - EP US); **Y02W 30/52** (2015.05 - EP US); **Y02W 30/62** (2015.05 - EP US)

Cited by

EA027128B1; CN107899721A; US9498800B2; EP3199318A1; WO2013010654A3

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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)

AL BA HR MK YU

DOCDB simple family (publication)

US 2008191069 A1 20080814; US 7757974 B2 20100720; AT E410283 T1 20081015; BR PI0609465 A2 20100413; CA 2602528 A1 20060928; CN 101151131 A 20080326; CN 101151131 B 20150422; DE 102005013693 A1 20060928; DE 502006001756 D1 20081120; DK 1868786 T3 20090216; EA 012098 B1 20090828; EA 200701972 A1 20080428; EP 1868786 A1 20071226; EP 1868786 B1 20081008; EP 1868786 B9 20090610; ES 2316055 T3 20090401; HR P20080683 T3 20090228; HR P20080683 T5 20091130; JP 2008532762 A 20080821; KR 20070112471 A 20071126; MX 2007011647 A 20071120; PL 1868786 T3 20090430; PT 1868786 E 20090116; WO 2006100044 A1 20060928

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