

Title (en)

POLYOLEFIN DISCHARGE PROCESS AND APPARATUS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUSTRAGEN VON POLYOLEFIN

Title (fr)

PROCESSUS ET APPAREIL DE DÉCHARGE DE POLYOLÉFINE

Publication

**EP 4247532 A1 20230927 (EN)**

Application

**EP 21815856 A 20211101**

Priority

- US 202063115965 P 20201119
- US 2021072155 W 20211101

Abstract (en)

[origin: WO2022109519A1] Disclosed is a polyolefin discharge cycle comprising discharging an amount of polyolefin granules from a reactor to a product chamber, wherein the reactor is operated at a pressure of at least 20 psia; transferring the granules from the product chamber to a product blow tank; displacing gas through an equalization line from the product blow tank into the product chamber as granules are transferred from the product chamber to the product blow tank; removing granules from the product blow tank; and repeating the cycle of discharging, transferring, displacing and removing of granules; wherein the granules are transferred at a rate of at least 0.01 ton granules/second; and/or wherein the equalization line is purged with gas before or after at least one cycle; and/or wherein the product chamber comprises a content detector such as a nuclear density detector.

IPC 8 full level

**B01J 8/00** (2006.01); **B01J 8/18** (2006.01); **C08F 2/36** (2006.01)

CPC (source: EP)

**B01J 8/003** (2013.01); **B01J 8/0035** (2013.01); **B01J 8/1872** (2013.01); **C08F 2/01** (2013.01); **C08F 2/34** (2013.01); **C08F 10/00** (2013.01); **B01J 2208/00761** (2013.01)

Citation (search report)

See references of WO 2022109519A1

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Designated extension state (EPC)

BA ME

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DOCDB simple family (publication)

**WO 2022109519 A1 20220527**; CN 116490525 A 20230725; EP 4247532 A1 20230927

DOCDB simple family (application)

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