

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)

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Citation (search report)

See references of WO 2022109519A1

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