

Title (en)
MOVING BED REACTOR

Title (de)
WANDERBETTREAKTOR

Title (fr)
RÉACTEUR À LIT MOBILE

Publication
EP 2686406 A1 20140122 (DE)

Application
EP 12713874 A 20120316

Priority
• DE 102011014349 A 20110318
• EP 2012001181 W 20120316

Abstract (en)
[origin: CA2835611A1] The apparatus serves to thermally separate carbon-rich substances in a moving bed reactor (1) through which a bulk material (6) passes. A vertical bulk material column (5) for supplying the material is supplemented by a bulk material column for removing material, wherein the widths and heights of the bulk material columns (5, 13) and the composition of the bulk material (6) are selected in such a manner that sealing of the interior of the reactor is brought about by an internal pressure loss in the columns (5, 13). At the same time, a stream of bulk material is made possible, wherein a first cavity (11) is provided in the upper reactor region and a second cavity (9) is provided in the lower reactor region, between which cavities a differential pressure ?? of at least 50 mbar is provided, said differential pressure being stabilized by the pressure loss via the fill.

IPC 8 full level
C10J 3/12 (2006.01); **C10J 3/30** (2006.01); **C10J 3/42** (2006.01)

CPC (source: EP KR US)
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Citation (search report)
See references of WO 2012126595A1

Designated contracting state (EPC)
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