

Title (en)

CEMENT PRODUCTION APPARATUS AND METHOD FOR GRINDING PARTICULATE MATERIAL

Title (de)

VORRICHTUNG ZUR HERSTELLUNG VON ZEMENT UND VERFAHREN ZUM MAHLEN VON TEILCHENFÖRMIGEM MATERIAL

Title (fr)

APPAREIL DE PRODUCTION DE CIMENT ET PROCÉDÉ DE BROYAGE DE MATÉRIAU PARTICULAIRE

Publication

EP 3903940 A1 20211103 (EN)

Application

EP 20188485 A 20200729

Priority

PT 2020116315 A 20200429

Abstract (en)

A cement production apparatus, and method, for grinding particulate material comprising: a vertical roller mill comprising a grinding table and a grinding roller having a rotational axis, each having a grinding surface and being arranged to define a grinding zone between the grinding surfaces, and a feeder for feeding the particulate material to the vertical roller mill; wherein the grinding roller is arranged to roll around a grinding path on said grinding table; and the feeder is arranged to receive a supply of the particulate material and to direct a flow of that material to the grinding zone of the vertical roller mill. The feeder may be arranged to substantially constrain the flow of material to a predetermined defined cross-section, to direct the flow of material by applying a momentum to and/or pushing, or to compact the flow of material prior to directing the material, or combinations thereof.

IPC 8 full level

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Citation (applicant)

- EP 0112022 A2 19840627 - SMIDTH & CO AS F L [DK]
- WO 2013143565 A1 20131003 - LOESCHE GMBH [DE]

Citation (search report)

- [XAY] DE 19651103 A1 19980610 - KRUPP POLYSIUS AG [DE]
- [YA] US 2004140177 A1 20040722 - LOESCHE THOMAS [DE]
- [Y] US 2013313348 A1 20131128 - KEYSSNER MICHAEL [DE]

Designated contracting state (EPC)

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