

Title (en)

Rotary mill with charging system.

Title (de)

Rotierende Mühle mit Ladungssystem.

Title (fr)

Broyeur rotatif avec système de chargement.

Publication

EP 0195614 A2 19860924 (EN)

Application

EP 86301864 A 19860314

Priority

US 71270285 A 19850315

Abstract (en)

A rotary-type mill is provided with a valve assembly (16) in association with a loading conduit (14) to enable the mill (11) to be charged under a controlled atmosphere so used for materials, e.g. aluminium, that must be milled under an inert atmosphere. To load material, a closed hopper (24) including a butterfly valve (25) is screwed to the top of the conduit (14) to provide a gas-tight seal between them; during this operation valve (16) is closed. The valve (16) is then opened by depressing valve stem (20) and valve (25) is then opened to allow material to be milled to pass straight into the mill (11). The valve (16) is then closed by pulling the stem (20) outwards so that the valve plug (19) fits snugly into the mill wall (11), the hopper (24) is removed and replaced by a fluid plate (not shown).

IPC 1-7

B02C 17/18; **B02C 23/02**

IPC 8 full level

B01J 8/00 (2006.01); **B02C 17/18** (2006.01); **B02C 23/02** (2006.01); **B22F 1/00** (2006.01); **B22F 9/04** (2006.01)

CPC (source: EP)

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Cited by

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Designated contracting state (EPC)

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