

Title (en)

Process and apparatus for drying and degassing powders.

Title (de)

Verfahren und Vorrichtung zur Trocknung und Entgasung von Pulver.

Title (fr)

Procédé et installation de séchage et de dégazage de poudres.

Publication

EP 0451048 A1 19911009 (FR)

Application

EP 91400894 A 19910402

Priority

FR 9004254 A 19900403

Abstract (en)

The process and apparatus according to the invention dry and degas powders by using a dynamic process under vacuum and at a high temperature in a special device called a "sand box" (10). This sand box (10) is subjected to slow alternating rotatory movements so as to cause the powder being treated to pass progressively from one compartment to another, both compartments being inside the sand box (10). The rotations thus enable the powder to be agitated for a variable but predetermined time. The sand box (10) is introduced into a leakproof vessel (20) situated upstream of a possible valve that might enable the treated powder to be routed towards a storage compartment, or to be sent for immediate use, without releasing the vacuum. The degassing operation is carried out under vacuum and at a high temperature. Application to the manufacture of components sintered by hot isostatic pressing. <IMAGE>

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IPC 8 full level

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Citation (search report)

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