

## Title (en)

Method and device for fabricating ultrafine powders

## Title (de)

Verfahren und Vorrichtung zur Herstellung von extrem feinen Pulvern

## Title (fr)

Procédé et dispositif pour la fabrication de poudres ultrafines

## Publication

**EP 0796660 A1 19970924 (DE)**

## Application

**EP 97104100 A 19970312**

## Priority

- DE 19611112 A 19960321
- US 98553597 A 19971205

## Abstract (en)

The system has an air-turbulence mill (4) which is used to dry the powder while in suspension. Hot air can be supplied to the drying mill as a carrier gas, the inlet and outlet temperatures being respectively 200 to 500 and 70 to 110 degrees celsius. The suspension containing the powder can be sprayed by nozzles into the mill drying chamber (5), and surface treatment of the powder can be carried out in the mill in addition to the drying operation, typically using a liquid sprayed by nozzles into the chamber.

## Abstract (de)

Verfahren zur Herstellung von extrem feinen Pulvern, welche in einer mechanischen Mühle (1) naß gemahlen und anschließend getrocknet werden; um eine weitestgehend agglomeratfreie Trocknung der Pulver zu erreichen, wird vorgeschlagen, daß zur Trocknung der in einer Suspension vorliegenden Pulver eine Luftwirbelmühle als Trockner (4) verwendet wird. <IMAGE>

## IPC 1-7

**B02C 21/00**; **B02C 13/14**; **B02C 17/16**; **B02C 23/24**

## IPC 8 full level

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## Citation (search report)

- [Y] DE 4204600 A1 19930819 - OSER ERWIN DR [DE]
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