

Title (en)

PROCESS AND APPARATUS FOR PREPARING COMPOSITE POWDERS PROCESS AND APPARATUS FOR PREPARING COMPOSITE POWDERS

Publication

EP 0250813 A3 19880608 (DE)

Application

EP 87107065 A 19870515

Priority

DE 3622123 A 19860702

Abstract (en)

[origin: US4804167A] A compound powder being comprised of a noble metal and of a nonnoble metal oxide is produced under atomization of salts of these metals in a watery solution and under further utilization of a hot reactor wherein a droplet containing gas flow is moved inside the reactor by operation of a pressure differential produced by a water pump, the powder particles are gravity separated from reaction gases by gas flow reversal at a temperature above the dew point of the gas and the gas is scrubbed following condensation of any water vapor.

IPC 1-7

B22F 9/24; **B22F 9/08**; **C22C 1/10**

IPC 8 full level

B22F 9/02 (2006.01); **B22F 9/30** (2006.01); **C01G 1/02** (2006.01); **C01G 5/00** (2006.01); **C22C 1/10** (2006.01); **H01H 11/04** (2006.01)

CPC (source: EP US)

B22F 9/026 (2013.01 - EP US); **B22F 9/30** (2013.01 - EP US); **C22C 1/1026** (2013.01 - EP US); **H01H 11/048** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US); **Y10S 75/956** (2013.01 - US)

Citation (search report)

- [AD] DE 2929630 C2 19831215
- [A] DE 1960471 A1 19700910 - UNIV BAR ILAN, et al
- [A] EP 0012202 A1 19800625 - DORNIER SYSTEM GMBH [DE]
- [A] DE 2506547 A1 19751030 - PLESSEY INC

Designated contracting state (EPC)

CH FR GB LI NL SE

DOCDB simple family (publication)

EP 0250813 A2 19880107; **EP 0250813 A3 19880608**; **EP 0250813 B1 19910313**; DE 3622123 A1 19880121; DE 3622123 C2 19881020; JP S6369710 A 19880329; US 4804167 A 19890214; US 4897110 A 19900130

DOCDB simple family (application)

EP 87107065 A 19870515; DE 3622123 A 19860702; JP 13908987 A 19870604; US 24698688 A 19880920; US 6747087 A 19870626