

Title (en)

Method and mould for cold compacting powders to be sintered

Title (de)

Verfahren und Form zum Kaltpressen von zu sinternden Pulvern

Title (fr)

Procédé et moule pour la compression à froid de poudre à fritter

Publication

EP 0955114 A3 20010801 (EN)

Application

EP 99108817 A 19990504

Priority

IT VI980091 A 19980506

Abstract (en)

[origin: EP0955114A2] The invention is a method for the cold agglomeration of mixtures of metallic and non-metallic powders (P) on to the outer perimetral edge (B) of a core (A), comprising the following operations: positioning the core (A) inside a mould (1) between a pair of core-pressing means (7, 7') opposite each other; distributing the powder mixture (P) on to the outer perimetral edge (B) of the core (A); agglomerating the powders (P) together and on the edge (B) of the core through powder-pressing means (21, 22, 23, 24); shifting the core-pressing means, the powder-pressing means and the core with respect to the plane on which the core is arranged; moving the powder-pressing means away from the powders (P) agglomerated on the edge (B) of the core (A); moving at least one of the core-pressing means (7, 7') away from the core; extracting the core (A) from the mould. <IMAGE>

IPC 1-7

B22F 3/03; **B22F 7/08**; **B30B 11/02**

IPC 8 full level

B22F 3/03 (2006.01); **B22F 7/08** (2006.01); **B30B 11/02** (2006.01)

CPC (source: EP)

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C-Set (source: EP)

B22F 2999/00 + **B22F 3/03** + **B22F 7/08**

Citation (search report)

- [A] US 5016498 A 19910521 - MATSUDA YUSAKU [JP]
- [A] US 2331909 A 19431019 - HENSEL FRANZ R, et al
- [A] US 2686439 A 19540817 - ESKIL TOBERT SVEN

Cited by

CN108405853A

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EP 0955114 A2 19991110; **EP 0955114 A3 20010801**; **EP 0955114 B1 20040721**; AT E271435 T1 20040815; DE 69918742 D1 20040826; IT VI980091 A1 19991106

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