

Title (en)

Apparatus for filling a tubular blank with powder.

Title (de)

Vorrichtung zum Befüllen von einem Schlauch mit Pulver.

Title (fr)

Machine de remplissage en poudre de gaines.

Publication

**EP 0414601 B1 19940302 (FR)**

Application

**EP 90402316 A 19900820**

Priority

FR 8911106 A 19890822

Abstract (en)

[origin: EP0414601A1] The system comprises a rotating container (3) fitted with a propeller and surrounded by an oven, which connects through a raised end with a vacuum inlet pipe provided with filters and through its opposite end with a pipe leading to the tubular blank to be filled. The rotation of the container (3) in one direction and then in the other direction enables, due to the mixing action of the propeller, firstly an efficient degassing of the powder and then its displacement and transfer into a hopper (26) overhanging the tubular blank (8). Various elements of the system allow the maintaining of the vacuum in the system once the degassing is completed while preventing pollution of the exterior by the powder. Application to the manufacture of mechanical parts by the sintering of powders of materials which cannot be moulded. <IMAGE>

IPC 1-7

**B22F 3/00**; **B30B 15/30**; **B28C 5/46**; **B01F 13/06**; **B01F 9/00**

IPC 8 full level

**B01F 9/00** (2006.01); **B01F 13/06** (2006.01); **B22F 3/00** (2006.01); **B28C 5/46** (2006.01); **B30B 15/30** (2006.01)

CPC (source: EP)

**B22F 3/004** (2013.01); **B30B 15/302** (2013.01)

Cited by

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