

Title (en)
Material feeding mechanism in association with continuous sintering apparatus

Title (de)
Materialzufuhreinrichtung und entsprechende kontinuierliche Sinteranlage

Title (fr)
Dispositif d'alimentation de matériaux associé à un appareil de frittage en continu

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EP 1241422 A2 20020918 (EN)

Application
EP 01307825 A 20010914

Priority
JP 2001071701 A 20010314

Abstract (en)
In a material feeding mechanism in association with a continuous sintering apparatus, a material (S) carried by a transporting conveyer (1) into an atmosphere-displacement chamber (2) is fed into a furnace casing (4) of the continuous sintering apparatus by using a loading pusher (3). The transporting conveyor (1), the atmosphere-displacement chamber, and the loading pusher (3) are arranged in such a manner that a direction in which the material is carried by the transporting conveyor and a direction in which the material is fed from the atmosphere-displacement chamber into the furnace casing by the loading pusher are linearly aligned, and the loading pusher and a drive unit (3a) thereof are installed under a floor of the atmosphere-displacement chamber (2) so that the loading pusher moves up over the floor surface of the atmosphere-displacement chamber and moves forward and backward on the floor surface of the atmosphere-displacement chamber when the material is fed into the furnace casing (4). By such a construction, the longitudinal dimension of the continuous sintering apparatus can be made as short as possible to realize a compact design as a whole. <IMAGE>

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