

Title (en)

PROCESS AND DEVICE FOR MANUFACTURING HIGH-DENSITY SINTERED PRODUCTS

Title (de)

VERFAHREN UND EINRICHTUNG ZUM HERSTELLEN HOCHDICHTER SINTERWERKSTÜCKE

Title (fr)

PROCEDE ET DISPOSITIF POUR LA FABRICATION DE PIECES FRITTEES A DENSITE ELEVEE

Publication

**EP 0563140 B1 19960207 (DE)**

Application

**EP 92901336 A 19911217**

Priority

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Abstract (en)

[origin: WO9211106A1] The invention concerns the manufacture of dense sintered products by sintering green compacts which have been sintered from powder material in a vacuum and subsequently compressed by hot isostatic pressing (HIP). The invention calls for an inert gas to be passed round the green compacts during the vacuum-sintering stage, while still maintaining a low pressure of between (1) and (10) mbar. A suitable device for carrying out this process has inert-gas feed line (18) leading into the sample container (16). After passing round the compact(s) (17) being sintered, the gas is removed from the pressure chamber through a suction line (20).

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