

ABSTRACT

5 SLURRY INJECTION MOULDING PROCESS AND DEVICE FOR CARRYING
OUT SAID PROCESS

The process and the device relate to the production of a green (10) from slurry by solidification after injection into a mould having a temperature of less than 0°C.

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The mould (1, 2) and the moveable parts (6) of the jack (7) which ensure closure thereof are housed within a gas-tight vessel (8). A distributor (13) for dry gas with a dew point lower than the temperature of the mould emits a gas current through apertures (14). A chute (9) conducts the green (10) towards
15 an aperture (11) and a receiving member (7) outside the vessel.

Applicable in the production of sintered metallic or ceramic parts with high density and high performance mechanical characteristics.

20 Abstract drawing: Figure 1.