

Title (en)

EQUIPMENT AND METHOD FOR BLOWING VESSELS OF A THERMOPLASTIC MATERIAL

Title (de)

VORRICHTUNG UND VERFAHREN ZUM BLASFORMEN VON BEHÄLTERN AUS THERMOPLASTISCHEN MATERIAL

Title (fr)

INSTALLATION ET PROCEDE DE SOUFFLAGE DE RECIPIENTS EN MATERIAU THERMOPLASTIQUE

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Application

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Priority

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Abstract (en)

[origin: WO2009050377A2] The invention relates to blowing equipment (1) that uses a pressurised fluid for blowing vessels from preforms of a thermoplastic material and including a body (3) and a neck (6), wherein said equipment comprises a blowing mould (5) with a moulding cavity (4) in which the body (3) of a preform (2) can be placed, said mould (5) including an upper surface (7) from which protrudes the neck (6) of a preform (2) once the body (3) of said preform (2) is placed in the cavity (4), and wherein said equipment (1) also includes a nozzle (8) with an end (9) shaped so as to be placed in functional sealed relation with the protruding neck (6) of the preform (2). The end (9) of the nozzle (8) is connected to a means (12) for degassing the blowing fluid, capable of bearing tightly on the upper surface (7) of the mould (5) so as to define an inner volume (13) in which the blowing fluid blown under pressure into the preform (2) can be discharged after the preform (2) blowing operation. The equipment includes a degassing means capable of expanding the blowing fluid around the blowing cavity, wherein said means includes a plurality of channels (28) arranged around said blowing cavity, said channels (28) having one side opening into the inner volume of the degassing means (12) while the other side gives into an annular channel (29) for discharge into the atmosphere.

IPC 8 full level

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