

Title (en)
AN APPARATUS FOR PRODUCING GAS BLAST

Publication
EP 0130035 B1 19871007 (EN)

Application
EP 84304125 A 19840619

Priority
JP 11243583 A 19830622

Abstract (en)
[origin: EP0130035A1] An improved apparatus for producing gas blast is disclosed which includes a high pressure tank (1), a cylinder (3) with a blowing port (3b) opened on the side wall and a piston (6) slidably disposed in the cylinder (3). The latter is provided with a cover (4) having an introducing port (4b) formed at the open end so that the cylinder chamber (R) is in communication with the high pressure gas supply source (C) via a branch inlet port (1b), a branch piping (8) and an introducing inlet (4b). To create differential pressure between the tank (1) and the cylinder chamber (R) cross-sectional area of the branch inlet port (1b), the branch piping (8) and the introducing port (4b) determined larger than that of the inlet port (1a) on the tank (1) so that the piston (6) is held immovable in the cylinder (3) at the position where the blowing port (3b) is closed with the piston (6). When a valve (5) on the cover (4) is actuated to open, back pressure in the cylinder chamber (R) is released to the outside and thereby the piston (6) is displaced away from the tank (1) whereby the blowing port (3b) is opened to produce gas blast. The piston (6) is preferably fitted with seal members (7).

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• US 3788527 A 19740129 - MATSON C

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