ABSTRACT

This invention relates to a method for using a high density compressed liquefied gas in cleaning applications wherein a closed recycle system in order to realize the most effective and economical means without using any high pressure generating device.

Cleaning equipment using a high density compressed liquefied gas wherein a closed recycle system comprises:

a pressure cleaning vessel (1) provided with a plurality of nozzles (3) for pre-cleaning, atmospheric containers (10) for expanding compressed liquid (5), sound wave generators (12) and an agitator having an impeller (11) for strongly cleaning thereby;

a pressure recovery vessel (14) provided at the lower portion than said pressure cleaning vessel (1) and having a detachable drain cylinder (16) suspended from under said pressure recovery vessel and also having a temperature regulator (15) for immediately receiving contaminated liquid already pre-cleaned from a pressure cleaning room by using function as a divided room; and

said pressure recovery vessel (14) connected with a high density compressed liquefied gas supply cylinder (18) through communication with vapor therein for eliminating enriched liquid with contaminants through said drain cylinder (16) as well as removing and transferring solvent by the vapor occured from said temperature regulator (15).

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