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(72) Inventors:
• **Cording, Louis B.**
6400 Sønderborg (DK)
• **Lund, Bjarne**
6400 Sønderborg (DK)

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(74) Representative: **Larsen, Hans Ole et al**
Larsen & Birkeholm A/S
Skandinavisk Patentbureau
Banegaardspladsen 1
1570 Copenhagen V (DK)

(71) Applicant: **Agramkow Fluid Systems A/S**
6400 Sønderborg (DK)

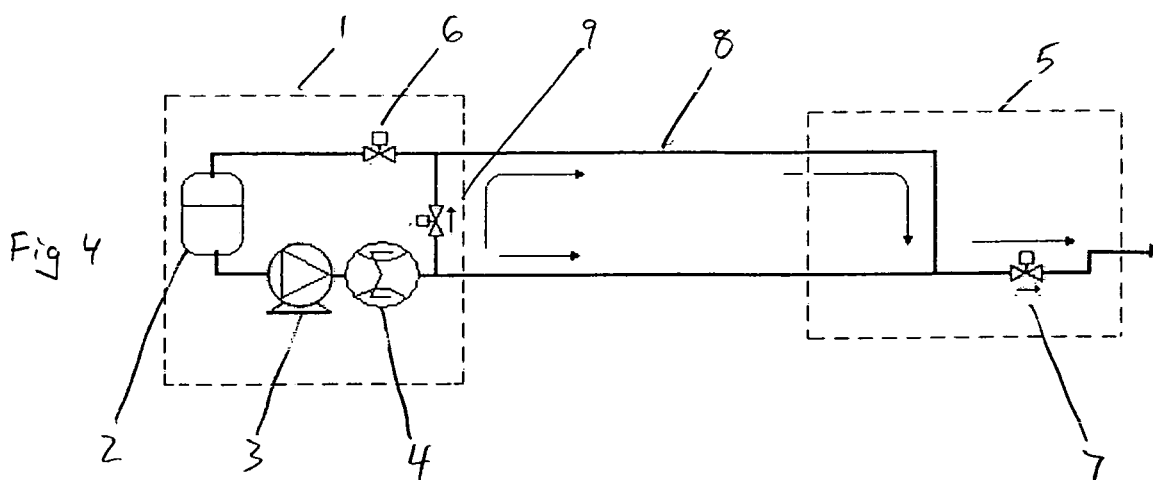
(54) **A method for temperature control of CO₂ as well as metering and filling of CO₂ systems**

(57) The invention relates to a method for temperature control of CO₂ as well as metering and filling of CO₂ systems by means of a system having a process unit and a filling unit, wherein CO₂ is continuously pumped through a hose (8) from the process unit (1) at a temperature below 31.1 °C and comprising a container (2), a pump (3) and a meter (4), through a circulation valve (6) in the filling unit (5), which comprises a circulation valve (6) and a filling valve (7), and back to the process unit again for cooling, following which the circulation valve (6)

is closed and the filling valve (7) is opened, whereby CO₂ is metered by the passage through the meter (4) and is filled into the CO₂ system through the filling valve (7).

An alternative method, wherein the process unit (1) additionally comprises a circulation valve (6) and a parallel valve (9), wherein the circulation valve (6) is closed, the parallel valve (9) and the filling valve (7) are opened, and CO₂ is metered and filled into the CO₂ system.

Formation of gas is avoided hereby, so that the amount of CO₂ may be metered correctly.





EUROPEAN SEARCH REPORT

Application Number
EP 08 38 8037

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
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Place of search		Date of completion of the search	Examiner
The Hague		19 January 2010	de Graaf, Jan Douwe
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.92 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 08 38 8037

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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