

## Title (en)

METHOD AND DEVICE FOR THE SUBSEQUENT PREPARATION OF DRINKING WATER AND WATER FOR OTHER USAGE

## Publication

**EP 0176694 A3 19880113 (DE)**

## Application

**EP 85109662 A 19850801**

## Priority

DE 3436660 A 19841005

## Abstract (en)

[origin: EP0176694A2] CO<sub>2</sub> and H<sub>2</sub>CO<sub>3</sub> can be added to the drinking water and water for other usage in the household and for small establishments on the one hand and to any irrigation water for house plants floods or hobby gardens on the other hand, in a simple and purposeful manner and in different concentrations. This makes it possible, on the one hand, to use relatively large, commercially available normal compressed CO<sub>2</sub> gas cylinders even in the household and small establishments and to supply the various CO<sub>2</sub> users in the household from this compressed gas cylinder. These users can also include domestic appliances for the direct preparation of CO<sub>2</sub>-containing beverages, the carboniser thereof being connected to the compressed gas cylinder. For the addition of different quantities of CO<sub>2</sub>, a plurality of mutually independent devices for impregnation of the water with CO<sub>2</sub> can also be provided directly before the removal point or the user. The impregnation devices can supply the various lines or appliances in the household in different concentrations via separately controllable devices. As a result, depositions of mineral substances in domestic appliances and machines can be greatly reduced, with economical usage of CO<sub>2</sub>, and large proportions of the mineral substances present in the drinking water can be utilised for direct absorption by the organism, for example with the drinking water.

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**B01F 3/04**

## IPC 8 full level

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**B01F 23/29** (2022.01)

## Citation (search report)

- [X] US 1929948 A 19331010 - JAMES KANTOR
- [Y] US 3256991 A 19660621 - KAMRUD IRVIN E
- [X] US 2663556 A 19531222 - FRANZ KOSTKA
- [X] US 2688381 A 19540907 - MEYER EPSTEIN, et al
- [X] US 4051034 A 19770927 - AMON ANTON, et al
- [AP] DE 3330375 A1 19850307 - TECHNICA ENTWICKLUNG [DE]
- [T] DE 3432440 A1 19860313 - TECHNICA ENTWICKLUNG [DE]
- [X] US 2391003 A 19451218 - BOWMAN WADE W
- [T] EP 0155683 A2 19850925 - TECHNICA ENTWICKLUNG [DE]
- [A] DE 3304403 A1 19840712 - TECHNICA ENTWICKLUNG [DE]

## Cited by

US5676888A; EP0525292A3; US5667769A; WO9313746A1; WO9730602A1

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