

Title (en)

METHOD AND APPARATUS FOR IMPROVING A LIFE SUPPORTING ENVIRONMENT WITH EXHALED INGREDIENTS OF LIVING PLANTS

Publication

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Application

EP 89115131 A 19890816

Priority

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Abstract (en)

[origin: EP0355703A2] Method and apparatus for improving a life supporting environment by utilizing the exhaled ingredients of living plants comprising closely cultivating plants within a given space, exposing the plants to light and adding a nutritious substance to the plants, heating the atmosphere in the given space to a temperature range of 25 DEG C to 35 DEG C to stimulate the physiological action of the plants so that the discharge of exhaled substances from the plants is increased, and furnishing the exhaled ingredients-containing air obtained to a human living space within a building.

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IPC 8 full level

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Citation (search report)

- [X] US 3529379 A 19700922 - WARE RICHARD LOUIS
- [A] DE 3103073 A1 19820805 - HOELTER HEINZ [DE]
- [A] DE 3541334 A1 19870527 - INST MAKROBIOTIK [DE]
- [A] US 3726204 A 19730410 - LINDESTROM L
- [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 191 (M-495)[2247], 4th July 1986; & JP-A-61 36 638 (MASAHICO IZUMI) 21-02-1986
- [A] POPULAR SCIENCE, vol. 229, no. 2, August 1986, page 73, New York, US; N.J. FREUNDLICH: "Purify air the space-station way: with plants"

Cited by

EP0451682A1; US6197094B1; WO9822756A1

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