

Title (en)

METHOD OF DISINFECTING WATER AND FOOD STUFF PRESERVATION WITH IODINE SPECIES

Title (de)

METHODE ZUR DESINFIZIERUNG VON WASSER UND ZUR KONSERVIERUNG VON NAHRUNGSMITTELN MIT IODVERBINDUNGEN

Title (fr)

PROCEDE DE DESINFECTION DE L'EAU ET DE CONSERVATION DES ALIMENTS PAR DES ESPECES IODEES

Publication

**EP 0986517 A1 20000322 (EN)**

Application

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Priority

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Abstract (en)

[origin: NZ500570A] A method and apparatus for producing bacteria-free iodine-species-containing drinking water for farm animals under continuous dynamic water flow, comprising dissolving solid iodine into a first water flow to produce a saturated iodine species-containing aqueous solution at a pre-selected temperature; blending the saturated solution with a second water flow to produce a diluted iodine species bacterium-free aqueous solution; and providing the diluted solution as drinking water to the animals. Preferably, the iodine is dissolved in the first water flow (16) to provide a saturated iodine species at a pre-selected temperature at a known concentration, which saturated solution is then blended into a mean water flow (14). The continuous flow of iodine species-containing water is fed to a farm animal drinking water distribution network (50) with reduced risk of back-contamination by bacteria-containing water through the network. Other uses of the iodinated water are as a disinfectant, for example, in the food processing industry; fruit, vegetable and, particularly, as iodinated ice for fish and fish products preservation; industrial, commercial cooling tower waters, sewage and wastewater treatment; and as a nutrient as an iodine source for humans, livestock, fish and plants.

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