

Title (en)

Method for filling and emptying a liquid tank of a distribution device for winter service vehicles and distribution device

Title (de)

Verfahren zum Befüllen und Entleeren eines Flüssigkeitstanks eines Streugeräts für Winterdienstfahrzeuge sowie Streugerät

Title (fr)

Procédé de remplissage et de vidange d'un réservoir de liquide d'un dispositif d'épandage pour véhicule de service d'hiver et dispositif d'épandage

Publication

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Application

EP 13177033 A 20120706

Priority

- EP 13177033 A 20120706
- EP 12734916 A 20120706
- EP 2012063237 W 20120706

Abstract (en)

[origin: WO2014005648A1] In a spreader device (1) for winter service vehicles, brine is filled from a tank bag (40A) into supplementary tanks (10) by purely hydrostatic means substantially without the use of pumps by the tank bag (40A) being filled, for instance by means of overpressure, in such a way that the brine is forced through a liquid line (50, 50A) where it forms a closed liquid column. The outlet end of the liquid line (50) is located below the inlet end of the liquid line (50A) so that upon filling the liquid from the tank bag (40A) automatically flows into the supplementary tanks (10) on account of the hydrostatic forces. When the liquid tank (10) is drained, the liquid also flows correspondingly from the tank bag (40A) into the supplementary tanks (10), thereby draining the tank bag (40A) completely.

IPC 8 full level

E01H 10/00 (2006.01)

CPC (source: EP RU US)

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