

Title (en)

Process and apparatus for stationary dispensing de-icing liquids

Title (de)

Verfahren und Vorrichtung zur stationären Ausbringung flüssigen Taumittels

Title (fr)

Procédé et dispositif stationnaire de distribution de solution de sel à dégel

Publication

EP 0947633 B1 20000503 (DE)

Application

EP 98105077 A 19980320

Priority

EP 98105077 A 19980320

Abstract (en)

[origin: EP0962594A2] A number of spray bodies (1) are provided and the ratio of road surface in square meters to the number of spray positions where the spray bodies are located is in the range of 15 to 40. Connected to the pump is a ring conduit (4), from which pierced conduits (5) lead to the thawing agent issue points. In these conduits are valves which when the pump is deactivated at least partly guarantees the filling of the conduits with thawing agent.

IPC 1-7

E01H 10/00

IPC 8 full level

C10M 163/00 (2006.01); **C10M 169/04** (2006.01); **C10M 167/00** (2006.01); **E01H 10/00** (2006.01); **C10N 30/06** (2006.01); **C10N 40/04** (2006.01)

CPC (source: EP KR US)

E01H 10/00 (2013.01 - KR); **E01H 10/005** (2013.01 - EP US); **C10M 2205/00** (2013.01 - EP US); **C10M 2205/024** (2013.01 - EP US); **C10M 2205/026** (2013.01 - EP US); **C10M 2205/028** (2013.01 - EP US); **C10M 2207/287** (2013.01 - EP US); **C10M 2207/288** (2013.01 - EP US); **C10M 2207/289** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2215/04** (2013.01 - EP US); **C10M 2215/06** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/065** (2013.01 - EP US); **C10M 2215/066** (2013.01 - EP US); **C10M 2215/067** (2013.01 - EP US); **C10M 2215/068** (2013.01 - EP US); **C10M 2215/08** (2013.01 - EP US); **C10M 2215/082** (2013.01 - EP US); **C10M 2215/086** (2013.01 - EP US); **C10M 2215/12** (2013.01 - EP US); **C10M 2215/122** (2013.01 - EP US); **C10M 2215/26** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2217/046** (2013.01 - EP US); **C10M 2217/06** (2013.01 - EP US); **C10M 2219/046** (2013.01 - EP US); **C10M 2219/066** (2013.01 - EP US); **C10M 2219/068** (2013.01 - EP US); **C10M 2219/085** (2013.01 - EP US); **C10M 2219/10** (2013.01 - EP US); **C10M 2219/102** (2013.01 - EP US); **C10M 2219/104** (2013.01 - EP US); **C10M 2219/106** (2013.01 - EP US); **C10M 2219/108** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10M 2227/00** (2013.01 - EP US); **C10M 2227/06** (2013.01 - EP US); **C10M 2227/061** (2013.01 - EP US); **C10M 2227/062** (2013.01 - EP US); **C10M 2227/063** (2013.01 - EP US); **C10M 2227/065** (2013.01 - EP US); **C10M 2227/066** (2013.01 - EP US); **C10M 2229/02** (2013.01 - EP US); **C10M 2229/04** (2013.01 - EP US); **C10M 2229/041** (2013.01 - EP US); **C10M 2229/042** (2013.01 - EP US); **C10M 2229/043** (2013.01 - EP US); **C10M 2229/044** (2013.01 - EP US); **C10M 2229/045** (2013.01 - EP US); **C10M 2229/046** (2013.01 - EP US); **C10M 2229/047** (2013.01 - EP US); **C10M 2229/048** (2013.01 - EP US); **C10M 2229/05** (2013.01 - EP US); **C10M 2229/051** (2013.01 - EP US); **C10M 2229/052** (2013.01 - EP US); **C10M 2229/053** (2013.01 - EP US); **C10M 2229/054** (2013.01 - EP US); **C10N 2010/12** (2013.01 - EP US)

C-Set (source: EP US)

1. **C10M 2215/28 + C10M 2215/28**
2. **C10M 2219/046 + C10M 2219/046**

Cited by

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Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0962594 A2 19991208; **EP 0962594 A3 19991222**; AT E192521 T1 20000515; AU 2635399 A 19991018; CA 2324948 A1 19990930; CA 2324948 C 20080212; CA 2558677 A1 19990930; CA 2558677 C 20091020; DE 59800142 D1 20000608; DK 0947633 T3 20000925; EP 0947633 A1 19991006; EP 0947633 B1 20000503; ES 2145635 T3 20000701; GR 3033423 T3 20000929; HU 224544 B1 20051028; HU P0101251 A2 20010828; HU P0101251 A3 20010928; JP 2002507678 A 20020312; JP 2010159626 A 20100722; JP 4522581 B2 20100811; KR 100497696 B1 20050701; KR 20010042048 A 20010525; NO 20004608 D0 20000915; NO 20004608 L 20000915; NO 334397 B1 20140224; PL 198125 B1 20080530; PL 342968 A1 20010716; RU 2239019 C2 20041027; SI 0947633 T1 20000831; US 6126083 A 20001003; WO 9949142 A1 19990930

DOCDB simple family (application)

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