

Title (en)
Spreader

Title (de)
Streugerät

Title (fr)
Epandeur

Publication
EP 0982434 A3 20001025 (DE)

Application
EP 99114894 A 19990730

Priority
DE 19838979 A 19980827

Abstract (en)
[origin: DE19838979C1] A scattering apparatus for scattering material from a vehicle, e.g. salt onto a road surface, comprises a container (7) for the material to be scattered, with a base, a base removal and dosing unit (8) and a scattering unit. The base of the container has two sections which can swivel about a longitudinal axis, between a base position and a sloping position.

IPC 1-7
E01C 19/20

IPC 8 full level
E01C 19/20 (2006.01)

CPC (source: EP)
E01C 19/201 (2013.01); **E01C 19/203** (2013.01); **E01C 2019/208** (2013.01)

Citation (search report)
• [YA] US 4995773 A 19910226 - LAMOUREUX GUY [CA], et al
• [YA] US 4741576 A 19880503 - JONES ELDON D [US]
• [YA] US 4572579 A 19860225 - SAITO KEN [JP]
• [XA] US 3648859 A 19720314 - JOHNSON MIKE E
• [A] US 3559894 A 19710202 - MURRAY GREGORY J, et al
• [XY] PATENT ABSTRACTS OF JAPAN vol. 008, no. 160 (M - 312) 25 July 1984 (1984-07-25)

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