

Title (en)
GRIT SPREADERS

Publication
EP 0354021 A3 19900516 (EN)

Application
EP 89307867 A 19890802

Priority
• GB 8818434 A 19880803
• GB 8908109 A 19890411

Abstract (en)
[origin: EP0354021A2] The grit spreader has a hopper (20) for grit, a spreader (17) associated with an outlet (19) in the hopper and means (14) or (70) to actuate the spreader means. The frame (10) of the grit spreader is attachable to the front end of a vehicle (69). In one embodiment the means to actuate the spreader is a ground engageable wheel (14) mounted on the frame (10) to rotate a slave wheel (16) when the vehicle moves to actuate the spreader (17). In another embodiment, the means to actuate the spreader (17) is an hydraulic motor (70), connected to the spreader and connectable to an hydraulic power supply (71) on the vehicle (69) to which the grit spreader is attached. The frame (10) has a bracket (26) at the front end (25) for temporary attachment of a snow plough. Also disclosed is a snow plough (50) for attachment to the front of a vehicle the frame (51) of the plough having a hopper (60) for grit and means (65/66) for rotating a spreader (62).

IPC 1-7
E01C 19/20; **E01H 5/06**

IPC 8 full level
E01C 19/20 (2006.01); **E01H 5/06** (2006.01)

CPC (source: EP)
E01C 19/202 (2013.01); **E01H 5/066** (2013.01)

Citation (search report)
• [X] US 2829896 A 19580408 - SWENSON ESKIL W
• [X] US 3065556 A 19621127 - KAMPERT KEITH W
• [X] FR 993310 A 19511030
• [X] FR 2167913 A1 19730824 - SVENNINGSON KARL [SE]
• [X] US 4588113 A 19860513 - EGERDAHL RAYMOND H [US]
• [X] US 4491275 A 19850101 - HOLSWORTH HERBERT [US]
• [X] FR 1162346 A 19580911

Cited by
FR2855533A1; WO9402686A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0354021 A2 19900207; **EP 0354021 A3 19900516**; GB 2222062 A 19900228; GB 8917708 D0 19890920

DOCDB simple family (application)
EP 89307867 A 19890802; GB 8917708 A 19890802