

Title (en)
METHOD AND DEVICE FOR DISSOLVING SOLIDIFIED BULK MATERIAL IN A SILO

Title (de)
Verfahren und Vorrichtung zum Auflösen verfestigter Schüttgüter in einem Silo

Title (fr)
PROCEDE ET DISPOSITIF POUR DISSOUDRE DES MATIERES EN VRAC SOLIDIFIEES DANS UN SILO

Publication
EP 0994045 B1 20021016 (DE)

Application
EP 99100792 A 19990118

Priority
CH 189798 A 19980917

Abstract (en)
[origin: EP0994045A1] To break up agglomerated loose material, in a cone section (15) of a hopper (10) or bunker and the like, a swing member (25) is over the discharge opening (18'). A number of wire cables (14), on elastic suspension mountings, are aligned along the line of the conical hopper wall (16) down to the swing member (25), through the hopper contents. When the swing member (25) turns round the vertical axis (Y), the wires apply a rubbing, scraping or digging action to break down the material for discharge. The swing member (25) is operated by a drive assembly (70) to swing to and fro round the vertical axis (Y).

IPC 1-7
B65D 88/66

IPC 8 full level
B65D 88/66 (2006.01)

CPC (source: EP)
B65D 88/66 (2013.01)

Cited by
EP1419979A1; CN103364062A; CN107971175A

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
EP 0994045 A1 20000419; EP 0994045 B1 20021016; AT E226177 T1 20021115; DE 59903085 D1 20021121; PT 994045 E 20030131

DOCDB simple family (application)
EP 99100792 A 19990118; AT 99100792 T 19990118; DE 59903085 T 19990118; PT 99100792 T 19990118