

Title (en)
DEVICE FOR LEVELLING FLOORS

Title (de)
VERFAHRBARE BODENSCHLEIFMASCHINE

Title (fr)
DISPOSITIF POUR NIVELER DES SOLS

Publication
EP 1549462 A1 20050706 (EN)

Application
EP 02780980 A 20021004

Priority
BE 0200153 W 20021004

Abstract (en)
[origin: WO2004030862A1] The present invention relates to a mobile floor levelling vehicle (1) for levelling an undulating floor surface, whereby the floor levelling vehicle comprises a vehicle body (2) with a front side (20), a back side (21), a left side (23) and a right side (24); frontside and backside (12, 13) displacement means for moving the vehicle (1); at least one grinding or polishing tool (3) supported by the vehicle body (2), whereby the at least one grinding or polishing tool (3) comprises a driving (5) for rotating the grinding or polishing tool in a direction substantially parallel to the floor surface. The floor levelling vehicle (1) further comprises bulk part removing means (4) for removing at least a bulk part of the undulation, whereby the bulk part removing means (4) are positioned at a position in front of the at least one grinding or polishing tool (3) in longitudinal direction of the levelling vehicle (1), whereby the bulk part removing means (4) extend in transversal direction of the vehicle body (2) and are provided to work the undulations in height direction thereof and to break down and remove at least a bulk part of the undulations, and whereby the at least one grinding or polishing tool (3) is provided for smoothening a surface area part after it has been worked by the bulk part removing means (4).

IPC 1-7
B24B 7/18

IPC 8 full level
B24B 7/18 (2006.01)

CPC (source: EP)
B24B 7/186 (2013.01)

Citation (search report)
See references of WO 2004030862A1

Cited by
EP2080586A1; WO2013121022A1; DE202013103503U1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 2004030862 A1 20040415; AT E448906 T1 20091215; AU 2002349187 A1 20040423; DE 60234478 D1 20091231; EP 1549462 A1 20050706; EP 1549462 B1 20091118

DOCDB simple family (application)
BE 0200153 W 20021004; AT 02780980 T 20021004; AU 2002349187 A 20021004; DE 60234478 T 20021004; EP 02780980 A 20021004