

Title (en)  
METHOD AND CONSTRUCTION MACHINE FOR PRODUCING GROUND SURFACES

Title (de)  
VERFAHREN UND ARBEITSMASCHINE ZUR HERSTELLUNG VON BODENFLÄCHEN

Title (fr)  
PROCEDE ET ENGIN POUR PRODUIRE DES SURFACES DE SOL

Publication  
**EP 1204800 B1 20030528 (DE)**

Application  
**EP 00947983 A 20000713**

Priority  
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• EP 0006660 W 20000713

Abstract (en)  
[origin: DE19939796C1] The earthworking machine has an excavator arm (2) with a shovel (7) which is raised and lowered via a hydraulic cylinder (3), coupled to at least one pump (9), controlled in dependence on the position of an operator control (17). The weight of the excavator arm and the shovel is compensated automatically during the movement of the excavator arm, by correction of the hydraulic pressure with a variable compensation pressure, e.g. provided by an auxiliary pump (29), controlled by monitoring the centre of gravity of the excavator arm.

IPC 1-7  
**E02F 3/43**; **E02F 9/22**

IPC 8 full level  
**E02F 3/43** (2006.01); **E02F 9/22** (2006.01); **F15B 11/028** (2006.01)

CPC (source: EP US)  
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