

Title (en)

CONTROL SYSTEM OR METHOD FOR AUTOMATICALLY CONTROLLING A MOBILE BUCKET WHEEL DEVICE

Title (de)

STEUER-SYSTEM BZW. VERFAHREN FÜR DIE AUTOMATISCHE STEUERUNG EINES VERFAHRBAREN SCHAUFELRADGERÄTES

Title (fr)

SYSTEME DE COMMANDE OU PROCEDE DE COMMANDE AUTOMATIQUE D'UN APPAREIL MOBILE A ROUES A GODETS

Publication

**EP 1278918 A1 20030129 (DE)**

Application

**EP 01942992 A 20010502**

Priority

- DE 0101637 W 20010502
- DE 10021675 A 20000505

Abstract (en)

[origin: WO0186077A1] The invention relates to a control system (10) or method for automatically controlling a mobile bucket wheel device (1) for reducing heaps of material and/or for heaping loose bulk material. Said bucket wheel device (1) has at least one bucket wheel (6) for receiving the loose bulk material and at least one measuring device (11) is provided for measuring the heap (9). The bucket wheel device (1) is automatically moved to the desired reducing and/or heaping position according to the measured and/or processed measuring data. Natural slides on the heap (9) can be detected, since the control system (10) and measuring device (11) are configured or embodied in such a way that the permanent detection of the current shape of the heap is guaranteed, independently of the operation of the bucket wheel excavator, i.e. a current change in the shape of the heap is detectable, at least in a specific area surrounding the bucket wheel (6).

IPC 1-7

**E02F 9/20**; **E02F 3/26**; **E02F 9/26**

IPC 8 full level

**E02F 3/26** (2006.01); **E02F 9/20** (2006.01); **E02F 9/26** (2006.01)

CPC (source: EP US)

**E02F 3/26** (2013.01 - EP US); **E02F 9/261** (2013.01 - EP US); **E02F 9/264** (2013.01 - EP US)

Citation (search report)

See references of WO 0186077A1

Cited by

DE102019204444A1; US9637887B2; WO2016150918A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0186077 A1 20011115**; AT E256792 T1 20040115; AU 6576201 A 20011120; AU 780449 B2 20050324; BR 0110567 A 20030401; BR 0110567 B1 20121127; CA 2406608 A1 20011115; CA 2406608 C 20060110; DE 10021675 A1 20011115; DE 10191832 D2 20030327; DE 50101199 D1 20040129; EP 1278918 A1 20030129; EP 1278918 B1 20031217; ES 2210173 T3 20040701; PT 1278918 E 20040430; US 2004088138 A1 20040506; US 2005246133 A9 20051103; US 6970801 B2 20051129

DOCDB simple family (application)

**DE 0101637 W 20010502**; AT 01942992 T 20010502; AU 6576201 A 20010502; BR 0110567 A 20010502; CA 2406608 A 20010502; DE 10021675 A 20000505; DE 10191832 T 20010502; DE 50101199 T 20010502; EP 01942992 A 20010502; ES 01942992 T 20010502; PT 01942992 T 20010502; US 28468902 A 20021031