

Title (en)  
CONTROL OF A HANDLING MACHINE

Title (de)  
STEUERUNG EINER FÖRDERMASCHINE

Title (fr)  
COMMANDE D'UNE MACHINE DE MANUTENTION

Publication  
**EP 3736245 B1 20211215 (FR)**

Application  
**EP 19305597 A 20190510**

Priority  
EP 19305597 A 20190510

Abstract (en)  
[origin: CA3132516A1] The invention relates to a handling machine (1) comprising: a tilt sensor (11) configured to produce a signal relating to a tilting moment applied to the main body about a tilting axis; displacement sensors (18) configured to produce a signal relating to movements of the handling arm relative to the main body; and a control unit (10) configured to: prevent or stop the movement of the handling arm if the signal representative of the tilting moment is greater than an effective threshold; assign a lowering threshold value to the effective threshold in response to a handling arm lowering movement being determined; and assign an extension threshold value to the effective threshold in response to a handling arm extension movement being determined.

IPC 8 full level  
**B66F 9/065** (2006.01); **B66F 17/00** (2006.01)

CPC (source: EP US)  
**B66F 9/0655** (2013.01 - EP US); **B66F 9/0755** (2013.01 - US); **B66F 17/003** (2013.01 - EP US)

Citation (examination)  
• EP 2616382 B1 20150114 - BAMFORD EXCAVATORS LTD [GB]  
• EP 2520536 B1 20140625 - MERLO PROJECT SRL [IT]

Citation (opposition)  
Opponent : J.C. Bamford Excavators Limited,  
• JP 3252006 B2 20020128  
• EP 1532065 B2 20170913 - BAMFORD EXCAVATORS LTD [GB]  
• EP 2616382 B1 20150114 - BAMFORD EXCAVATORS LTD [GB]  
• US 2022204324 A1 20220630 - CADOU SYLVAIN [FR], et al

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EP4144685A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
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CA 3132516 A1 20201119; CN 113795454 A 20211214; CN 113795454 B 20230411; US 2022204324 A1 20220630;  
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**EP 19305597 A 20190510**; AU 2020273720 A 20200507; BR 112021020540 A 20200507; CA 3132516 A 20200507;  
CN 202080034345 A 20200507; EP 2020062685 W 20200507; US 202017606878 A 20200507