

Title (en)
ROAD PAVING MACHINE

Title (de)
STRASSENFERTIGER

Title (fr)
FINISSEUR DE ROUTES

Publication
EP 4283045 A1 20231129 (EN)

Application
EP 23168263 A 20230417

Priority
JP 2022084807 A 20220524

Abstract (en)
Provided is a road machine (100) that can level a paving material (PV) such that a thickness of the paving material (PV) differs in a vehicle width direction. An asphalt finisher (100) that is an example of the road machine (100) includes a tractor (1) that travels on a roadbed (BC), a hopper (2) that receives the paving material (PV), a conveyor (CV) that feeds the paving material (PV) in the hopper (2) to a rear of the tractor (1), a screw (SC) that spreads the paving material (PV) fed by the conveyor (CV) at the rear of the tractor (1), a screed (3) that levels the paving material (PV) spread by the screw (SC) at a rear of the screw (SC), and a controller (50) that derives a first height (HL) and a second height (HR) of the screed (3) with respect to the roadbed (BC). The first height (HL) is a height of a first point (SPL) in the screed (3), the second height (HR) is a height of a second point (SPR) in the screed (3), and the first point (SPL) is at a position different from a position of the second point (SPR) in a vehicle width direction.

IPC 8 full level
E01C 19/48 (2006.01); **E01C 19/00** (2006.01); **E01C 23/07** (2006.01)

CPC (source: CN EP)
E01C 19/004 (2013.01 - EP); **E01C 19/48** (2013.01 - EP); **E01C 19/4866** (2013.01 - CN); **E01C 23/07** (2013.01 - EP);
E01C 2301/14 (2013.01 - EP)

Citation (applicant)
JP H0252042 B2 19901109

Citation (search report)
• [XAYI] US 11242658 B2 20220208 - KAPPEL MARC [DE], et al
• [Y] US 5393167 A 19950228 - FUJITA MAKIO [JP], et al
• [A] JP 5602452 B2 20141008
• [A] US 9200415 B2 20151201 - GRAHAM LUKE E [US], et al

Designated contracting state (EPC)
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Designated extension state (EPC)
BA

Designated validation state (EPC)
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