

Title (en)  
ASPHALT ROAD FINISHER

Title (de)  
STRASSENFERTIGER

Title (fr)  
FINISSEUR DE ROUTE

Publication  
**EP 4286588 A1 20231206 (EN)**

Application  
**EP 23160848 A 20230309**

Priority  
JP 2022089279 A 20220531

Abstract (en)  
To enhance the quality of pavement of a curved road (RD) . An asphalt finisher (100, 100a, 100b, 100c, 100d, 100e) includes a tractor, a hopper that is provided on a front side of the tractor and that receives a paving material, a conveyor that feeds the paving material received by the hopper to a rear side of the tractor, a screw that spreads the paving material fed by the conveyor on the rear side of the tractor, a screed that levels the paving material spread by the screw on a rear side of the screw, and a controller. The controller is configured to drive the tractor such that a target trajectory (TPS, TPT) is generated based on a line which bisects an area of a road surface leveled by the screed right and left and a predetermined point (Q, P) of the asphalt finisher (100, 100a, 100b, 100c, 100d, 100e) follows the target trajectory (TPS, TPT) . The road surface includes a road surface of a curve portion (LC) of a road (RD) which is a construction target.

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

CPC (source: CN EP)  
**E01C 19/004** (2013.01 - EP); **E01C 19/48** (2013.01 - CN EP); **E01C 2301/16** (2013.01 - EP)

Citation (applicant)  
JP 2017160636 A 20170914 - SUMITOMO SHI CONSTRUCTION MACHINERY CO LTD, et al

Citation (search report)

- [X] WO 2021193351 A1 20210930 - SUMITOMO CONSTRUCTION MACHINERY CO LTD [JP]
- [X] US 2021010210 A1 20210114 - ELLWEIN JACOB [US], et al
- [E] EP 4253657 A1 20231004 - SUMITOMO HEAVY INDUSTRIES [JP]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4286588 A1 20231206**; CN 117144762 A 20231201; JP 2023176798 A 20231213

DOCDB simple family (application)  
**EP 23160848 A 20230309**; CN 202310258721 A 20230317; JP 2022089279 A 20220531