

Title (en)

End plate for a screed unit of a paver finisher

Title (de)

Endplatte für eine Einbaubohle eines Straßenfertigers

Title (fr)

Plaque terminale pour une poutre lisseuse d'une finisseuse de route

Publication

EP 2390417 A3 20160309 (EN)

Application

EP 11004083 A 20110517

Priority

IT UD20100106 A 20100528

Abstract (en)

[origin: EP2390417A2] Retaining end plate for a screed unit of a paver finisher, of the type comprising a frame applicable to the screed unit sideways with respect to the advancing direction and a vertical section intended to contain and shape the material applied which at the bottom is in contact with the ground and is movable with respect to the frame (39), the movement of the vertical section with respect to the frame being guided by means of first guiding means and second guiding means, the first guiding means being applied on one member selected from the group consisting of frame and vertical section and the second guiding means being applied on the other of these members, in which the first guiding means are inclined on the plane defined by the development of the vertical section according to an angle greater than ninety-degree with respect to the advancing direction of the paver finisher, the second guiding means being slidable on the first guiding means, the movement of the paver finisher involving a frictional force with respect to the ground whose frictional force represented in correspondence of the point of contact between first guiding means and second guiding means consists of an orthogonal component and a parallel component with respect to the first guiding means with respect to the inclination according to the previously defined angle, the pushing action towards the ground generated by the weight force of said vertical section being increased by this parallel component contributing to the push of said vertical section towards the ground.

IPC 8 full level

E01C 19/40 (2006.01)

CPC (source: EP)

E01C 19/40 (2013.01); **E01C 19/405** (2013.01)

Citation (search report)

- [A] US 5344254 A 19940906 - SARTAIN GENE [US]
- [A] EP 1033441 A2 20000906 - BITELLI SPA [IT]

Cited by

EP3135815A1; CN110130190A; CN109854870A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2390417 A2 20111130; EP 2390417 A3 20160309; IT 1400339 B1 20130524; IT UD20100106 A1 20111129

DOCDB simple family (application)

EP 11004083 A 20110517; IT UD20100106 A 20100528