

Title (en)

Integrated paver with windrow pick-up capability.

Title (de)

Integrierte Strassenfertiger mit Aufnahmefähigkeit von Schwaden.

Title (fr)

Finisseuse intégrée avec possibilité de ramassage d'andains.

Publication

EP 0385017 A1 19900905 (EN)

Application

EP 89303335 A 19890404

Priority

US 30908089 A 19890210

Abstract (en)

An integrated paver (20) comprising a self-propelled chassis (22) having a paving apparatus, such as a screed (24), supported on its rear end and a lifting conveyor (26) supported on its front end. The conveyor (26) is capable of picking-up loose paving material (64) laid in the windrow on the road surface. It is pivotally supported (42) on a mounting (44) which is in-turn pivotally supported (46) on the chassis (22) such that the conveyor (26) can be adjusted in two dimensions relative to the chassis (22). Grade controls (82) on the conveyor (26) control hydraulic cylinders (68, 70) to adjust the tilt and grade of the conveyor (26) relative to the road surface. Alternatively, the conveyor (26) can rest, by force of gravity on runners (94) which slide along the ground and hold the conveyor head a predetermined height (possibly zero) above the ground. Additionally, the runners (94) can be linked to floating break-away scrapers (114) which are maintained at a set position relative to the runners (94). The conveyor drag chain (56) rides over an idler shaft (60) above and in front of the inlet end supporting shaft (58) of the chain such that the paddles (62) on the chain travel at close to 45 DEG to the road surface to reduce vibration and the slapping action of the paddles (62) against the windrow.

IPC 1-7

E01C 19/48

IPC 8 full level

E01C 19/48 (2006.01)

CPC (source: EP)

E01C 19/48 (2013.01); **E01C 2301/06** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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