

Title (en)
Improvements in or relating to block laying apparatus.

Title (de)
Pflasterstein-Verlegegerät.

Title (fr)
Appareil pour la pose de paré.

Publication
EP 0153800 A1 19850904 (EN)

Application
EP 85300346 A 19850118

Priority
GB 8401564 A 19840120

Abstract (en)
A block laying apparatus is driven to the location of a stack of layers of interlocking concrete blocks such that the stack (154) is located within the apparatus below a scissors lift assembly (60). The operator can control movement of the lift assembly (60) such that arms (62) are lowered past lugs (76) on the apparatus frame to surround the stack (154). When the lift assembly (60) is raised engagement between the arms (62) and the lugs (76) causes the scissors action to become effective and the arms (62) can move into clamping engagement with the stack (154). Further raising lifts the arms (62) with the stack (154). A block platform (80) is movable from an outboard position to a position beneath the stack (154), and further operation of the lift assembly (60) enables a lowermost layer of the stack (154) to be positioned on the platform (80) whereupon the latter can be moved back to the outboard laying position. When the apparatus reaches a laying location, the operator can move onto a platform (38) and engage a clamping frame (88) with the layer of blocks. The platform (80) is then returned to a loading position below the stack (154) and the operator can control release of the clamping frame (88) to lay the blocks in a correct position. The apparatus can then be driven to the next laying location while a further layer of blocks from the stack (154) is deposited on the platform (80) and transferred to the laying position.

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E01C 19/52

IPC 8 full level
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CPC (source: EP)
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Citation (search report)

- [X] DE 2335158 A1 19750130 - BAUTECHNOLOGIE FORSCH
- [X] DE 2335159 A1 19750130 - BAUTECHNOLOGIE FORSCH
- [A] DE 7717723 U1 19771013
- [A] DE 2826483 A1 19800103 - LANGSDORFF BAU, et al
- [A] DE 2918232 A1 19801113 - OLDENBURGER BETONSTEINWERKE
- [A] DE 2751515 A1 19790523 - LEHNEN AXEL HOLGER VERMIETUNG
- [A] DE 2936472 A1 19810326 - AUMILLER RUDOLF N

Cited by
CN112022568A

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