

Title (en)
Method of building viaducts

Title (de)
Verfahren zum Errichten von Viadukten

Title (fr)
Procédé pour construire des viaducs

Publication
EP 1111135 A2 20010627 (EN)

Application
EP 00126823 A 20001207

Priority
IT BO990704 A 19991223

Abstract (en)
The building method is actuated by a horizontal carrying structure, a vertical lifting ledger and a hooking beam. The horizontal carrying structure consists of a level structure (1) formed by two structural steel work beams with cross bracings (2) on horizontal plane. The horizontal structure goes on rails (3) fixed on the scaffolding slab by four motorized wheels (4) with safety block device (5). The level structure moreover provides feet (5) acting like stabilizers to be lowered during the lifting phase of the ashlar. The vertical lifting beam consists of a carrying ledger (7) sliding on jaws (8) to be fixed on the level structure (1) with motorized cargo winch (9) for lifting the ropes (10) having hanging sheaves (11) with blocks (12). The hooking ledger consists of a carrying beam (13) equipped with hooks and with two subordinate beams which bring the ashlar with four pins realized with threaded bars (14). <IMAGE>

IPC 1-7
E01D 21/10

IPC 8 full level
E01D 21/10 (2006.01)

CPC (source: EP)
E01D 21/105 (2013.01)

Cited by
JP2018091093A; CN110644377A; CN108100894A; RU177385U1; CN110904841A; CN117090147A; CN102182148A; JP2015113581A; EP3018255A1; CN103628409A

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