

Title (en)

PROCESS FOR CARRYING OUT WORKS UNDER RAILWAY TRACKS IN OPERATION

Publication

**EP 0245155 B1 19900103 (FR)**

Application

**EP 87400959 A 19870424**

Priority

- FR 8606694 A 19860509
- FR 8614098 A 19861010
- FR 8614099 A 19861010

Abstract (en)

[origin: EP0245155A1] 1. A process of constructing civil engineering works under lines of rails which are being used, especially of constructing an underpass or a pedestrians' subway traversing a dam or like embankment which supports the rails, characterised in that the process comprises : forcing beneath the dam (1), in a manner known per se, two pairs of hollow half-abutments (3, 4) which are disposed in respective opposed pairs on either side of the subway to be constructed and which leave beneath the lines of rails a limited thickness of dam material (24) between said rails and the top of said abutments, causing two respective ones of said half-abutments to abut each other substantially in the central longitudinal plane of the dam (1), joining these half-abutments in their mutual abutting zones on either side of said central plane, mounting stiffeners (19, 20) beneath said lines of rails (2) along a length thereof which is somewhat greater than the distance between the two pairs of half-abutments, removing either before or after forcing of said half-abutments the dam material beneath the stiffeners between the lines of rails and the half-abutments to be joined, placing two supporting girders (22) on top of each pair of said two pairs of half-abutments, removing the stiffeners and subsequently cutting the lines of rails along a length corresponding to the width of the subway, removing the dam material remaining between said supporting girders to a thickness which is required for mounting two prefabricated semi-slabs (12, 13) which are inserted from each side or from only one side of the subway, said two semi-slabs being moved sideways onto the supporting girders or onto the top of said half-abutments so that they rest thereon with their ends abutting each other, reconstructing the lines of rails above said semislabs, and clearing the subway (25) between the two pairs of half-abutments beneath the lines of rails.

IPC 1-7

**E01D 9/06**; **E01D 21/00**; **E21D 9/00**

IPC 8 full level

**E21D 9/00** (2006.01); **E21D 9/06** (2006.01)

CPC (source: EP)

**E21D 9/005** (2013.01); **E21D 9/06** (2013.01); **E01B 2/00** (2013.01)

Cited by

EP0611848A1; EP1820934A1; CN108442933A; FR3002955A1; ES2076111A2; FR2701734A1; EP0418162A1; FR2651813A1; FR2653144A1; KR100463715B1; CN108867664A; EP0603024A1; FR2699594A1; EP0431909A1; US5129760A; WO2007138123A1

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