

Title (en)
Tamping unit for a rail tamping machine

Title (de)
Stopfaggregat für eine Gleisstopfmaschine

Title (fr)
Unité de bourrage pour une machine à bourrer

Publication
EP 2770108 B1 20210505 (DE)

Application
EP 13160788 A 20130325

Priority
AT 501212013 A 20130222

Abstract (en)
[origin: EP2770108A1] The tamping unit (1) has a height adjustable guided carrier (2) that is arranged in tamping unit main portion and is designed as a rocker arm. The lower ends (5) of tamping unit are plunged into a gravel bed (4), are driven in opposite directions by a vibration drive (6) and are brought next to each other hydraulically. A tamping tool (3) is associated with a hydraulic cylinder (11) and a displacement sensor (12). The vibration drive of the tamping tool and the hydraulic cylinder are controlled based on the displacement sensor signal.

IPC 8 full level
E01B 27/16 (2006.01)

CPC (source: AT EP RU US)
E01B 27/16 (2013.01 - AT EP RU US)

Citation (examination)
AT A385574 A 19770215 - PLASSER BAHNBAUMASCH FRANZ [AT]

Citation (opposition)
Opponent : Plasser & Theurer
• AT 339358 B 19771010 - PLASSER BAHNBAUMASCH FRANZ [AT]
• EP 1653003 A2 20060503 - PLASSER BAHNBAUMASCH FRANZ [AT]
• DE 2114282 A1 19711028 - PLASSER BAHNBAUMASCH FRANZ
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• EP 0518845 A1 19921216 - PLASSER BAHNBAUMASCH FRANZ [AT]
• WO 02093019 A1 20021121 - ROSEMOUNT INC [US]
• AT 198294 B 19580625 - PLASSER BAHNBAUMASCH FRANZ, et al
• DE 2039784 A1 19710311 - JACKSON VIBRATORS
• DE 3136637 A1 19820819 - PLASSER BAHNBAUMASCH FRANZ [AT]
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• FINDEISEN DIETMAR: "Ölhydraulik - Handbuch für die hydrostatische Leistungs- übertragung in der Fluidtechnik", 1 January 2006, SPRINGER VERLAG, pages: 522 - 527, XP055892431
• HESSE HORST: "Elektronisch-hydraulische Systeme", 1 January 2008, article "Elektronisch-hydraulische Systeme (auszug)", pages: 60 - 63, XP055714283
Opponent : Plasser & Theurer, Export von Bahnbaumaschinen, Gesellschaft m.b.H.
EP 0180570 A2 19860507 - PLASSER BAHNBAUMASCH FRANZ [AT]

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