

Title (en)

Apparatus and method for compressing materials

Title (de)

Vorrichtung und Verfahren zum Verdichten von Werkstoffen

Title (fr)

Dispositif et procédé pour compacter des matériaux

Publication

EP 0820859 A2 19980128 (EN)

Application

EP 97117739 A 19921119

Priority

- EP 92924093 A 19921119
- SE 9103451 A 19911119

Abstract (en)

The present invention relates to an apparatus for compacting material in which the apparatus includes a path (10), an infeed device (40) which discharges in an opening (11) disposed in the path, and a spiral (30) rotary about its longitudinal axis and lacking a mechanical shaft. In connection with the discharge opening (12) of the apparatus, baffle means (13) are provided which impede displacement of the material. Between the free end (39) of the spiral and the discharge opening (12) of the apparatus, the path forms a compaction cell (15). The spiral is disposed to at least intermittently abut against the path, in addition to which the spiral and the path form in the region of the opening (11) a feed compartment (35) for supplied material, this compartment directly merging into the compaction cell (15). The path (10) is provided with drainage apertures (14). <IMAGE>

IPC 1-7

B30B 9/12; **B30B 9/16**

IPC 8 full level

B30B 9/14 (2006.01); **B30B 9/10** (2006.01); **B30B 9/12** (2006.01); **B30B 9/16** (2006.01); **B30B 9/18** (2006.01); **B30B 9/30** (2006.01); **B30B 11/24** (2006.01)

CPC (source: EP)

B30B 9/10 (2013.01); **B30B 9/12** (2013.01); **B30B 9/121** (2013.01); **B30B 9/163** (2013.01); **B30B 9/18** (2013.01); **B30B 9/3039** (2013.01); **B30B 9/3082** (2013.01); **B30B 11/246** (2013.01)

Cited by

EP1238792A3

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0820859 A2 19980128; **EP 0820859 A3 19980701**; AT E171417 T1 19981015; AU 3053892 A 19930615; CA 2100673 C 20000215; DE 69227129 D1 19981029; DE 69227129 T2 19990218; EP 0675798 A1 19951011; EP 0675798 B1 19980923; GB 2267053 A 19931124; GB 2267053 B 19941012; GB 9312012 D0 19930901; HK 21496 A 19960209; JP 2860161 B2 19990224; JP H07501016 A 19950202; SE 9103451 D0 19911119; SE 9103451 L 19930520; TW 208677 B 19930701; WO 9309936 A1 19930527

DOCDB simple family (application)

EP 97117739 A 19921119; AT 92924093 T 19921119; AU 3053892 A 19921119; CA 2100673 A 19921119; DE 69227129 T 19921119; EP 92924093 A 19921119; GB 9312012 A 19930610; HK 21496 A 19960201; JP 50921293 A 19921119; SE 9103451 A 19911119; SE 9200802 W 19921119; TW 82100100 A 19930109