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(72) Inventor: Bruke, Richard
230 44 Bunkeflostrand (SE)

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(74) Representative:
Magnusson, Gustav
MAGNUPATENT AB
P.O. Box 6207
200 11 Malmö 6 (SE)

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(71) Applicant: Spirac Engineering AB
216 08 Malmö (SE)

(54) Apparatus and method for compressing materials

(57) 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).

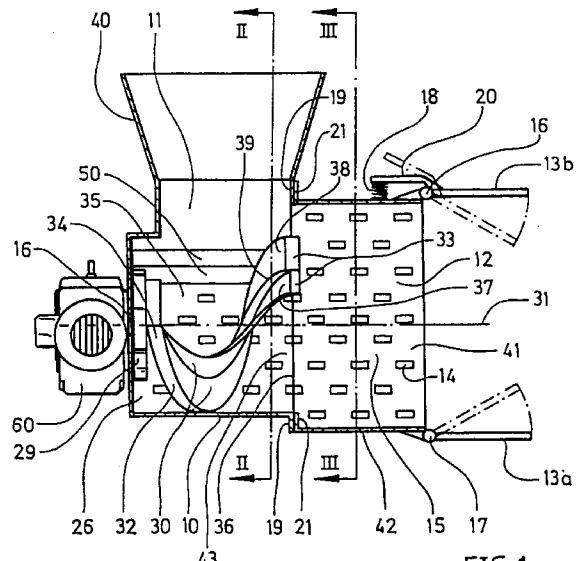


FIG. 1



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EUROPEAN SEARCH REPORT

Application Number
EP 97 11 7739

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)		
Y	DE 39 15 528 C (NOGGERATH & CO) 13 December 1990 * abstract; figures * ---	1-5,8-10	B30B9/12 B30B9/16 B30B9/30		
Y	DE 91 07 404 U (WECKER H.) 8 August 1991 * figures * ---	1-5			
Y	EP 0 219 785 A (SPIRAC ENGINEERING AB) 29 April 1987 * abstract; figures 1-4 * ---	8,10			
Y	US 3 780 645 A (FARMER J) 25 December 1973 * figure 5 * ---	9			
A	FR 2 265 635 A (LOCANER SA) 24 October 1975 * figures * ---	1-5			
A	FR 2 462 263 A (VANDEKERCKHOVE CONSTR) 13 February 1981 * figures * ---	1,8-10	TECHNICAL FIELDS SEARCHED (Int.Cl.6)		
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The present search report has been drawn up for all claims					
Place of search	Date of completion of the search	Examiner			
THE HAGUE	8 May 1998	Belibel, C			
CATEGORY OF CITED DOCUMENTS					
X : particularly relevant if taken alone	T : theory or principle underlying the invention				
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