

Title (en)  
Machine for compressing solid materials

Title (de)  
Maschine zum Verdichten von Feststoffen

Title (fr)  
Machine pour le compactage de matériaux solides

Publication  
**EP 0846554 A3 19990127 (FR)**

Application  
**EP 97830637 A 19971201**

Priority  
IT FI960284 A 19961204

Abstract (en)  
[origin: EP0846554A2] The compacter comprises one or more pairs of hollow cylinders (1) with meshing helical teeth (10,20). The cylinders rotate in opposite directions, and the material to be compacted is fed into the their meshing zone, being forced through channels between the teeth to emerge on the inside of the cylinders in rods (B) which are broken off at a given length. Both the lateral faces of the teeth and their tips have outward-facing convex surfaces, and the inlet end of each of the compacting channels is in a truncated conical shape, converging towards the channel outlet.

IPC 1-7  
**B30B 11/28**

IPC 8 full level  
**B30B 11/28** (2006.01)

CPC (source: EP)  
**B30B 11/28** (2013.01)

Citation (search report)

- [XY] FR 1371346 A 19640904 - NAT FROST PROT CO
- [AY] WO 9322132 A1 19931111 - HAIMER FRANZ [DE]
- [A] DE 2151865 A1 19720518 - LEUNA WERKE VEB
- [A] GB 1153862 A 19690529 - ALVAN BLANCH DEV COMPANY LTD
- [A] NL 1602 C 19170102 - SCHUELER GEORGE RICHARD [GB]
- [A] DE 564638 C 19321121 - ALBERT WILLIAM SIZER
- [A] DE 1101374 B 19610309 - EMIL HUTT

Cited by  
FR2931721A1; EP1260352A1; DE10228206A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0846554 A2 19980610; EP 0846554 A3 19990127**; IT 1286890 B1 19980717; IT FI960284 A1 19980604

DOCDB simple family (application)  
**EP 97830637 A 19971201**; IT FI960284 A 19961204