

Title (en)  
TWO-STAGE PELLETIZING APPARATUS

Publication  
**EP 0143415 A3 19860910 (DE)**

Application  
**EP 84113947 A 19841117**

Priority  
DE 3342660 A 19831125

Abstract (en)  
[origin: EP0143415A2] 1. A pelletizing apparatus in which press rolls (11) disposed freely rotatable on a runner head (13) turn by the rotation of the runner head (13) relative to a die-plate (10) on the planar, punched die-plate (10), characterized in that the pelletizing apparatus is of two-stage design, in that two die-plates (10, 20) with the press rolls (11, 21) running thereon are disposed one above the other and in that the upper die-plate (20) has great passage holes (22) for loose strands of pellets of precrushed material, and that the lower die-plate (10) has smaller passage holes (12) which correspond to the dimensions and the compression of the pellets to be produced.

IPC 1-7  
**B30B 11/22**

IPC 8 full level  
**B30B 11/22** (2006.01)

CPC (source: EP)  
**B30B 11/228** (2013.01)

Citation (search report)

- [E] DE 3344044 A1 19850620 - KAHL AMANDUS MASCHF [DE]
- [A] US 2205328 A 19400618 - FRANK WILLS ARNOLD
- [A] DE 2714614 A1 19781012 - PROJEKTIERUNG CHEM VERFAHRENST
- [A] DE 613028 C 19350510 - ALBERT WILLIAM SIZER
- [A] DE 2002638 A1 19710729 - AMANDUS KAHL NACHF
- [T] DE 3342659 A1 19850605 - HOWALDTSWERKE DEUTSCHE WERFT [DE]

Cited by  
EP2143554A1; ITPI20130009A1; EP1541328A4; CN101961926A; EP1049533A4; CN102555269A; CN103213301A; EP1987947A1; CN102294838A; RU2483098C2; EP2157158A1; WO2012080574A1; WO2012130187A3; US8608095B2; EP2157158B1; EP0201052B1

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