

Title (en)  
Granulation.

Title (de)  
Granulierung.

Title (fr)  
Granulation.

Publication  
**EP 0159862 A2 19851030 (EN)**

Application  
**EP 85302542 A 19850411**

Priority  
GB 8409574 A 19840412

Abstract (en)  
A process for granulating metal received in sheet form, such as cathode copper, operates in two stages. In the first (prime cutting) the sheet is advanced and pieces are taken from its leading edge by a shear comprising a rotor with at least one blade co-operating with a fixed blade across which the sheet metal is fed. In the second operation, (digestion) the pieces formed in the first operation are fed to a granulator (or to more than one granulator) of the kind comprising a rotor with at least one blade co-operating with at least one fixed blade to comminute the material repeatedly until the particles are small enough to pass through a screen bounding the working zone. The two operations can be optimised independently, and substantial energy saving is achieved compared with the direct feeding of the sheet metal to the granulator. In the case of copper, the extent of heating, which in conventional granulation may lead to surface oxidation, is greatly reduced.

IPC 1-7  
**B02C 18/14**; **B02C 18/44**

IPC 8 full level  
**B22F 9/04** (2006.01); **B02C 18/14** (2006.01); **B02C 18/18** (2006.01); **B02C 19/00** (2006.01)

CPC (source: EP KR)  
**B02C 18/145** (2013.01 - EP); **B02C 18/148** (2013.01 - EP); **B02C 18/186** (2013.01 - EP); **B02C 23/00** (2013.01 - KR)

Cited by  
CN103240419A; LU91518B1; EP3954462A1; WO9325311A1

Designated contracting state (EPC)  
AT BE CH DE FR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0159862 A2 19851030**; AU 4094385 A 19851017; BR 8501748 A 19851210; DK 165985 A 19851013; DK 165985 D0 19850412; ES 542153 A0 19860316; ES 8605407 A1 19860316; FI 851461 A0 19850411; FI 851461 L 19851013; GB 2158736 A 19851120; GB 8409574 D0 19840523; GB 8509278 D0 19850515; IL 74982 A0 19850830; JP S60241943 A 19851130; KR 850007220 A 19851202; NO 851451 L 19851014; PT 80263 A 19850501; PT 80263 B 19861028; ZA 852457 B 19860129; ZW 6685 A1 19850626

DOCDB simple family (application)  
**EP 85302542 A 19850411**; AU 4094385 A 19850409; BR 8501748 A 19850412; DK 165985 A 19850412; ES 542153 A 19850411; FI 851461 A 19850411; GB 8409574 A 19840412; GB 8509278 A 19850411; IL 7498285 A 19850422; JP 7549785 A 19850411; KR 850002399 A 19850410; NO 851451 A 19850411; PT 8026385 A 19850411; ZA 852457 A 19850401; ZW 6685 A 19850403