

Title (en)

METHOD AND APPARATUS FOR PRODUCING FLAKES FROM MOLTEN MATERIAL

Publication

EP 0000926 B1 19810930 (EN)

Application

EP 78100688 A 19780817

Priority

US 82679877 A 19770822

Abstract (en)

[origin: EP0000926A1] Method and apparatus for producing metal flake of small length-to-width ratio or small length-to-thickness ratio directly from a pool or like source of molten metal or molten inorganic compound, or from an unconfined drop of molten metal or an unconfined drop of molten inorganic compound having a surface tension and viscosity similar to that of molten metal, consisting of forming such products by the application of a rotating heat-extracting disk-like member (20) having a generally circular serrated edge to the surface of the pool of molten material (21) so as to form the material into discrete flake particles by extracting the flake particles from the supply of molten material; and controlling the final shape of the product by the physical shape of the member, the temperature and material composition of the melt, as well as the velocity of the member in contact with the melt.

IPC 1-7

B01J 2/02; **B22F 9/00**; **C03B 37/00**

IPC 8 full level

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CPC (source: EP US)

B22D 11/0614 (2013.01 - EP US); **B22D 11/0651** (2013.01 - EP US); **B22F 9/008** (2013.01 - EP US); **B22F 9/10** (2013.01 - EP US); **C03B 37/005** (2013.01 - EP US)

Citation (examination)

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EP 0000926 A1 19790307; **EP 0000926 B1 19810930**; CA 1133670 A 19821019; DE 2861232 D1 19811210; JP S5460262 A 19790515; JP S6016481 B2 19850425; US 4154284 A 19790515

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