

Title (en)

METALLIC POWDER PRODUCTION METHOD AND METALLIC POWDER PRODUCTION DEVICE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES METALLPULVERS UND VORRICHTUNG ZUR HERSTELLUNG EINES METALLPULVERS

Title (fr)

PROCÉDÉ DE PRODUCTION DE POUDRE MÉTALLIQUE ET DISPOSITIF DE PRODUCTION DE POUDRE MÉTALLIQUE

Publication

EP 2711111 A4 20150520 (EN)

Application

EP 12786542 A 20120518

Priority

- JP 2011110904 A 20110518
- JP 2012062736 W 20120518

Abstract (en)

[origin: EP2711111A1] A metal powder production method and a metal powder production device capable of reducing the size of the device, reducing costs, and obtaining spherical metal powder are provided. Supply means 11 supplies a downward flow 1 of molten metal, and a plurality of jet burners 12 emit flame jets 12a to the downward flow 1 of the molten metal supplied from the supply means 11. Each of the jet burners 12 is provided to emit the flame jet 12a from the same angle and from each of positions rotationally symmetrical with each other with respect to the downward flow 1 of the molten metal.

IPC 8 full level

B22F 9/08 (2006.01); **B22F 9/02** (2006.01); **B22F 1/052** (2022.01); **B22F 1/065** (2022.01); **B22F 1/08** (2022.01)

CPC (source: EP US)

B22F 9/02 (2013.01 - US); **B22F 9/04** (2013.01 - EP US); **B22F 9/08** (2013.01 - EP US); **B22F 1/052** (2022.01 - EP US); **B22F 1/065** (2022.01 - EP US); **B22F 1/08** (2022.01 - EP US); **B22F 2009/0848** (2013.01 - EP US); **B22F 2009/088** (2013.01 - EP US); **B22F 2009/0888** (2013.01 - EP US); **B22F 2202/00** (2013.01 - EP US); **C22C 33/02** (2013.01 - EP US)

Citation (search report)

- [X] GB 2281233 A 19950301 - HOPKINS WILLIAM [GB]
- [X] JP S5524974 A 19800222 - FUKUDA METAL FOIL POWDER
- [X] US 6444009 B1 20020903 - LIU JUNHAI [US], et al
- [A] JP 2011006718 A 20110113 - TAIYO NIPPON SANSEI CORP
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- See references of WO 2012157733A1

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2711111 A1 20140326; **EP 2711111 A4 20150520**; CN 103635273 A 20140312; JP WO2012157733 A1 20140731; US 2014202286 A1 20140724; WO 2012157733 A1 20121122

DOCDB simple family (application)

EP 12786542 A 20120518; CN 201280022257 A 20120518; JP 2012062736 W 20120518; JP 2013515210 A 20120518; US 201214118446 A 20120518