

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 January 2009 (22.01.2009)

PCT

(10) International Publication Number
WO 2009/010468 A1

(51) International Patent Classification:
C23C 14/24 (2006.01) **C23C 14/26** (2006.01)

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(21) International Application Number:
PCT/EP2008/059102

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(22) International Filing Date: 11 July 2008 (11.07.2008)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA,
CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE,
EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID,
IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK,
LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW,
MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT,
RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
07014181.7 19 July 2007 (19.07.2007) EP
60/950,778 19 July 2007 (19.07.2007) US

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(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

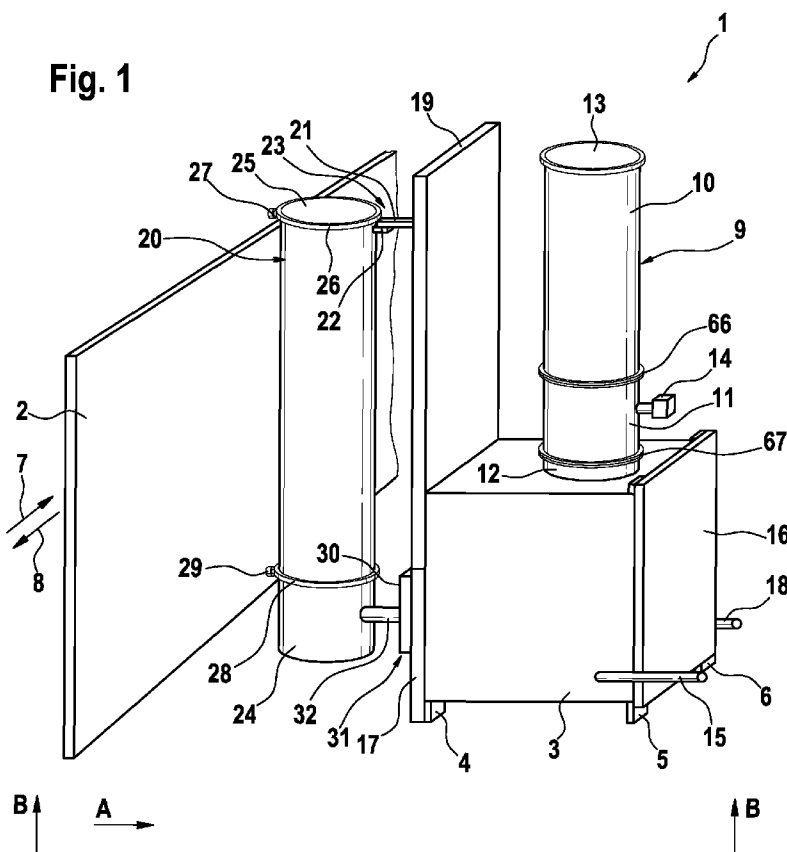
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(54) Title: VACUUM EVAPORATION APPARATUS FOR SOLID MATERIALS

Fig. 1



(57) Abstract: The invention relates to an apparatus for evaporating solid materials, for instance, selenium for coating a substrate. The solid material is brought into a first crucible via a feeding source. In this crucible the material melts at a temperature which is preferably slightly higher than its melting point. The molten material flows via a transporting device, for instance, a pipe into a second crucible, where the material evaporates at a temperature higher than its boiling point and is transported to a substrate. In order to stop the evaporation within a very short time preferably within only one to two minutes, a cooling device for cooling the material beyond its melting point is arranged at the transporting device. With this cooling device the material in the transporting device can be cooled down beyond its melting point in a very short time.



FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL,
NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG,
CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *with amended claims*