



(51) International Patent Classification:
C23C 16/30 (2006.01)

(21) International Application Number:
PCT/US2010/047914

(22) International Filing Date:
3 September 2010 (03.09.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/275,852 7 October 2009 (07.10.2009) US

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(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, CL, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG,
ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

[Continued on next page]

(54) Title: METHODS AND SYSTEMS FOR MAKING BATTERY ELECTRODES AND DEVICES ARISING THEREFROM

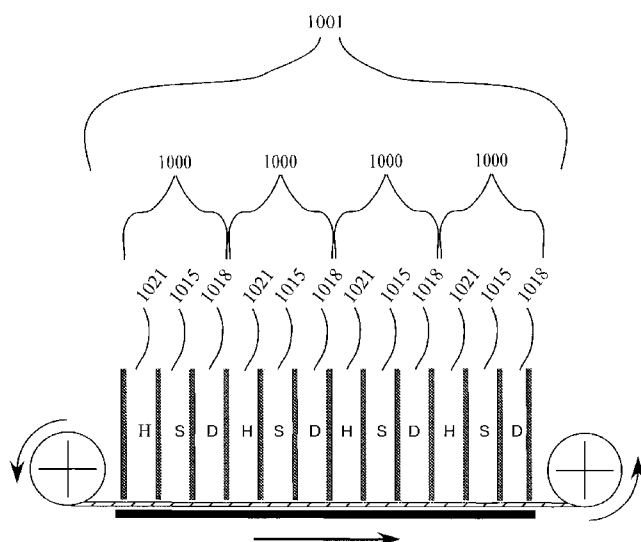


FIG 5

(57) Abstract: The invention provides, in preferred em-
bodiments, methods, systems, and devices arising there-
from for making battery electrodes, in particular, for lithi-
um-ion batteries. Unlike conventional slurry coating meth-
ods that use mechanical means to coat thick pastes of ac-
tive material, other materials, and solvent(s) onto a sub-
strate, the invention provides for a method to produce
electrode coatings onto support in a multi-layer approach
to provide highly uniform distribution of materials within
the electrode. Problems of differential sedimentation of
particles in slurries found in conventional methods are
minimized with the methods of the present invention. Also
included are systems for producing in large-scale the bat-
tery electrodes of the invention. Further included are elec-
trodes produced by the methods and systems described
herein.



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