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- (71) **Applicant (for all designated States except US):** **MEG ENERGY CORP.** [CA/CA]; 11th Floor, 520 - 3rd Avenue SW, Calgary, AB T2P 0R3 (CA).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** **CORSCADDEN, Tom** [CA/CA]; 24 Strathclair Place SW, Calgary, Alberta T3H 1H1 (CA). **BRUCE, Gerald** [CA/CA]; c/o 11th Floor, 520 - 3rd Avenue SW, Calgary, Alberta T2P 0R3 (CA). **DIDUCH, Greg** [CA/CA]; c/o 11th Floor, 520 - 3rd Avenue SW, Calgary, Alberta T2P 0R3 (CA). **HOCKING, Damien** [AU/CA]; c/o 11th Floor, 520 - 3rd Avenue SW, Calgary, Alberta T2P 0R3 (CA). **REMESAT, Darius** [CA/CA]; c/o 11th Floor, 520 - 3rd Avenue SW, Calgary, Alberta T2P 0R3 (CA).
- (74) **Agents:** **WHITT, Michael R.** et al.; Bennett Jones LLP, 4500 Bankers Hall East, 855 2nd Street SW, Calgary, Alberta T2P 4K7 (CA).

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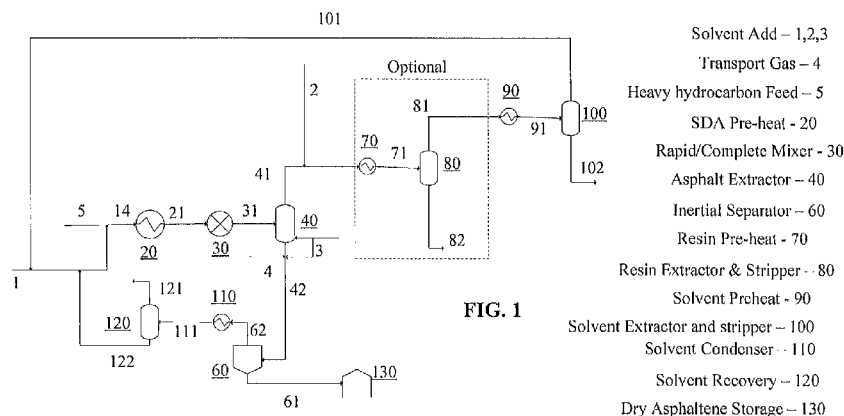
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(54) **Title:** ENHANCED METHODS FOR SOLVENT DEASPHALTING OF HYDROCARBONS**FIG. 1**

(57) **Abstract:** Improvements to open-art Solvent Deasphalting (SDA) processes have been developed to reduce capital and operating costs for processing hydrocarbon streams are provided whereby open art SDA scheme is modified to include appropriately placed mixing-enabled precipitators (MEP's) to reduce solvent use requirements in an asphaltene separation step and to increase overall reliability for SDA processes, particularly suitable for Canadian Bitumen. When integrated with a mild thermal cracker, the improved SDA configuration further improves crude yield to be pipeline-ready without additional diluent and for use to debottle-neck existing facilities such as residue hydrocrackers and coking units.