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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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH,

(54) Title: PROCESS FOR TREATING CONSTRUCTION AND DEMOLITION WASTE MATERIAL WITH KINETIC PULVERIZATION

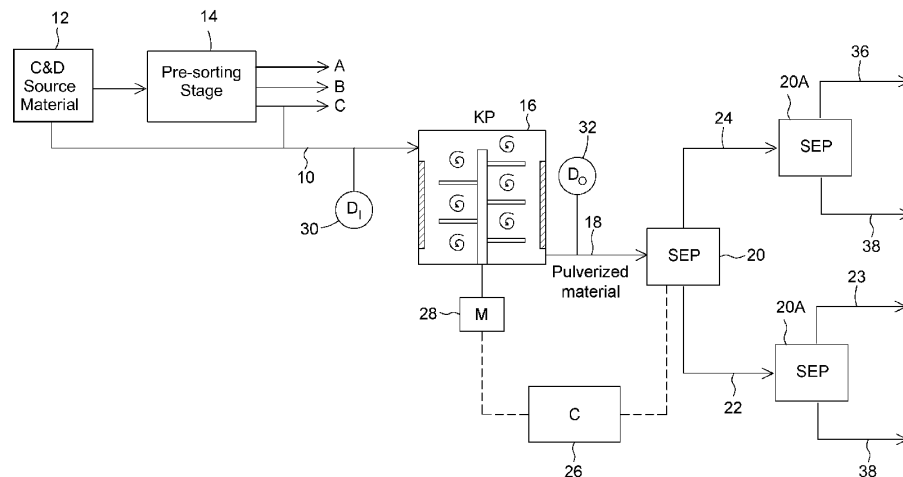


FIG. 1A

(57) Abstract: The present disclosure relates to the treatment of streams derived from construction and/or demolition (C&D) debris, such as C&D fines streams, asphalt shingles, drywall, or wood. The process can include a kinetic pulverization stage through a kinetic pulverizer where the frangible materials are size-reduced and the ductile materials are liberated and remain as an oversized fraction. The feedstock can include infrangible materials that also remains as an oversized fraction. The pulverized material is then subjected to a separation stage, which may include mechanical and/or magnetic screening, to separate the oversized material comprising the ductile material, and optionally larger particles of the infrangible material, from the size-reduced material comprising the frangible material, and optionally small particles of infrangible material.

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