

Title (en)  
RAW MATERIAL SUPPLY DEVICE AND RAW MATERIAL SUPPLY METHOD FOR COAL BRIQUETTE MANUFACTURING EQUIPMENT

Title (de)  
ROHSTOFFZUFÜHRVORRICHTUNG UND ROHSTOFFZUFÜHRVERFAHREN FÜR EINE ANLAGE ZUR HERSTELLUNG VON KOHLEBRIKETTS

Title (fr)  
DISPOSITIF D'ALIMENTATION EN MATIÈRE PREMIÈRE ET PROCÉDÉ D'ALIMENTATION EN MATIÈRE PREMIÈRE POUR ÉQUIPEMENT DE FABRICATION DE BRIQUETTES DE CHARBON

Publication  
**EP 3505600 A4 20191002 (EN)**

Application  
**EP 17846818 A 20170626**

Priority  
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• KR 2017006683 W 20170626

Abstract (en)  
[origin: EP3505600A1] In order to improve the supply flow of the raw materials and to prevent the clogging due to the adherence or aggregation of the raw materials in the supplying apparatus, the present invention provides a raw materials supplying apparatus of a facility for manufacturing coal briquettes installed between a mixer for mixing a powdered coal and a binder to manufacture raw materials and a molding machine for molding the mixed raw materials to manufacture coal briquettes to supply raw materials supplied from a mixer continuously, the apparatus comprising: a feeder main body forming an accommodating space of the raw materials therein and an exit for the raw materials at a lower end; a rotating shaft rotatably installed at the center of the feeder main body; a driving unit installed at the feeder main body and connected to the rotating shaft to rotate the rotating shaft; a blade installed at the rotating shaft to extend in the radial direction; an outlet connected to the exit to extend to the molding machine; and an adjusting unit changing the temperature of the raw materials by applying heat or cold air to the raw materials in the outlet to adjust the viscosity.

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Citation (search report)  
• [XAYI] KR 20120008588 A 20120201 - JINIL PLANT ENGINEERING CO LTD [KR], et al  
• [XY] DE 560881 C 19321007 - KOEPPERN & CO KG MASCHF  
• [IAY] DE 1026210 B 19580313 - KOEPPERN & CO K G MASCHF  
• [XA] JP 2008036692 A 20080221 - NIPPON STEEL CORP, et al  
• [A] WO 2015028377 A1 20150305 - RWE POWER AG [DE]  
• [A] DE 1060302 B 19590625 - IMPACT MIXING CORP  
• See references of WO 2018043893A1

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