

Title (en)  
Rotary feeder for solid fuel

Title (de)  
Rotierende Zufuhrvorrichtung für feste Brennstoffe

Title (fr)  
Dispositif rotatif d'alimentation pour combustibles solides

Publication  
**EP 0733856 A2 19960925 (FR)**

Application  
**EP 96104258 A 19960318**

Priority  
IT VI950043 A 19950321

Abstract (en)  
The solid fuel feeder for a stove, wood-burning heater or fireplace, consists of a rotary loader with a series of radial vanes (2) projecting from a central axle and rotating inside a fixed cylinder (3). The vanes form a series of compartments which are filled with fuel and equipped with trap doors (5) which open to release then fuel into the combustion chamber as the loader rotates. In a variant of the design the vanes can be located between two coaxial cylinders, the inner one of which forms the combustion chamber and is covered by a grate to which the fuel is delivered as the loader rotates.

Abstract (fr)  
Le dispositif comprend un chargeur (3), à axe horizontal, muni de secteurs radiaux (2) qui définissent des compartiments intérieurs séparés les uns des autres, ce chargeur tournant autour de l'axe du cylindre fixe. La rotation du chargeur intervient, manuellement ou automatiquement, à la fin de chaque combustion, afin de délivrer une nouvelle dose de combustible solide dans la chambre de combustion (4). <IMAGE>

IPC 1-7  
**F23K 3/16**

IPC 8 full level  
**F23K 3/16** (2006.01)

CPC (source: EP)  
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