

Title (en)  
GARDEN WASTE COMMUNUTING DEVICE

Publication  
**EP 0251060 B1 19900425 (DE)**

Application  
**EP 87108780 A 19870619**

Priority  
DE 3621418 A 19860626

Abstract (en)  
[origin: US4778117A] In the context of a device for chopping up garden waste or the like of the type comprising a housing mounted on support legs and having at least one ejector opening, a preferably vertical charging passage mounted on the housing, a carrier disk adapted to rotate in the housing about an upright axis and mounted on the shaft of a motor attached to the housing so that the disk shuts off the housing at a lower end thereof and at least one generally radially aligned knife on the disk which is placed on a trailing edge, i.e. the edge which is to the rear in the direction of rotation, of a slot in the disk, the knife being arranged to cooperate with a stationary support bolster in the form of a circumferential part, extending transversely in relation to the direction of rotation, of the charging passage under which the knife moves, the invention seeks to achieve an improved functional performance and a compact construction insofar as in at least a lower part thereof the charging passage has a cross section which extends from the edge part of the carrying disk towards its center provided with a deflector mounted thereon and which is provided with at least one circumferential inward protrusion, whose trailing side respectively forms a stationary support bolster for supporting the waste being chopped, and furthermore the motor is carried on the floor part, overlapped by the carrier disk, of a housing chamber, which at its circumference has a number of ejection openings equal to the number of inward protrusions, whose axis is in a projection generally perpendicular to the projection of the side, which forms the respective associated stationary support bolster, of the corresponding circumferential inward protrusion of the charging chamber.

IPC 1-7  
**B02C 18/12**; **B02C 18/22**

IPC 8 full level  
**B02C 18/00** (2006.01); **B02C 18/12** (2006.01); **B02C 18/22** (2006.01)

CPC (source: EP US)  
**B02C 18/12** (2013.01 - EP US); **B02C 18/22** (2013.01 - EP US); **B02C 2201/066** (2013.01 - EP US)

Cited by  
EP0505702A1; CN104174463A; US5267697A; FR2723326A1; CN109225506A; GB2259872B; CN106583418A; GB2283184A; GB2283184B

Designated contracting state (EPC)  
AT FR GB IT

DOCDB simple family (publication)  
**EP 0251060 A2 19880107**; **EP 0251060 A3 19881005**; **EP 0251060 B1 19900425**; AT E52203 T1 19900515; AU 589096 B2 19890928; AU 7473387 A 19880107; CA 1293234 C 19911217; DE 3621418 A1 19880114; DE 3621418 C2 19900523; JP S637853 A 19880113; US 4778117 A 19881018

DOCDB simple family (application)  
**EP 87108780 A 19870619**; AT 87108780 T 19870619; AU 7473387 A 19870626; CA 539122 A 19870608; DE 3621418 A 19860626; JP 15745387 A 19870623; US 6061087 A 19870611