

Title (en)  
CUTTING SYSTEM FOR ROTARY LAWN MOWER

Title (de)  
SCHNEIDESYSTEM FÜR RASENMÄHER

Title (fr)  
SYSTEME DE COUPE POUR TONDEUSE A GAZON A COUPE ROTATIVE

Publication  
**EP 0929210 A4 19990915 (EN)**

Application  
**EP 97936028 A 19970626**

Priority  
• US 9711487 W 19970626  
• US 67133396 A 19960627

Abstract (en)  
[origin: WO9749276A1] A cutting system for a rotary lawn mower includes a rotary mower blade (20) rotatably supported by a deck (10). A plurality of baffle assemblies (30) are carried by the deck (10) and extend adjacent to the blade (20). Each baffle assembly (30) includes a bracket (62) that carries a baffle (60 or 84) configured to be adjacent the blade (20) when the blade (20) rotates past the baffle assembly (30). The baffles (60 or 84) are configured to catch the clippings cut by the blade (20) and hold the clippings in position to be recut by the blade (20). To facilitate the recutting, a plurality of cutters (48) may be attached to the blade (20). When cutters (48) are used, each baffle (60 or 84) has slots (90) cut therein to allow the cutters (48) to pass therethrough. The cutters (48) each have a cutting surface (52) that is capable of cutting the clippings that are held in the baffles (60 or 84). An alternative embodiment of the cutting system includes at least one channeling wall (200) that cooperates with a mower deck (100) to form a tapered channel (202) that tapers in the direction of blade (120) rotation. A baffle assembly (130) is disposed in the narrow portion of the channel (202) such that clippings are channeled into the assembly (130) where they may be recut.

IPC 1-7  
**A01D 34/64; A01D 34/73**

IPC 8 full level  
**A01D 34/00** (2006.01)

CPC (source: EP)  
**A01D 34/005** (2013.01); **A01D 34/73** (2013.01); **A01D 2101/00** (2013.01)

Citation (search report)  
• [XA] US 5269127 A 19931214 - MILES JR CHARLES [US]  
• [A] US 3963184 A 19760615 - GRIMM HELMUT  
• See references of WO 9749276A1

Designated contracting state (EPC)  
DE ES FR GB

DOCDB simple family (publication)  
**WO 9749276 A1 19971231**; AU 3879697 A 19980114; CA 2259040 A1 19971231; EP 0929210 A1 19990721; EP 0929210 A4 19990915

DOCDB simple family (application)  
**US 9711487 W 19970626**; AU 3879697 A 19970626; CA 2259040 A 19970626; EP 97936028 A 19970626