

Title (en)  
ARRANGEMENT FOR HANDLING CLIPPINGS

Title (de)  
ANORDNUNG ZUR HANDHABUNG VON RASENSCHNITT

Title (fr)  
MÉCANISME DE MANIPULATION DE LA TONTE

Publication  
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Application  
**EP 07730567 A 20070413**

Priority  
• FI 2007000098 W 20070413  
• FI 20060364 A 20060413

Abstract (en)  
[origin: WO2007118926A1] The invention relates to an arrangement for handling clippings, fitted in a device (1) for cutting lawn, said device including at least one cutting unit (20; 20a, 20b, 20c) provided with a cutter (202), said cutting unit being arranged at the end (42) of the frame (4), and management and control means (9) as well as a control unit (11) for controlling the device. The arrangement for handling clippings comprises: a chamber (12) for receiving clippings from the cutter (202), said chamber (12) being arranged in connection with the cutting unit (20), a discharge aperture (13) provided in connection with the chamber (12), a transport duct (17), the first end of which is connected to the discharge aperture (13), a blower unit (10) that is fitted in the transport duct (17), and a collecting tank (18) that is fitted in connection with the device frame (4), and (the front end (18a) of which tank) is provided with an inlet aperture (181), to which the other end of the transport duct is connected, which collecting tank can be opened for removing clippings from the collecting tank. According to the invention, the end part (42) of the frame, to which the cutting unit (20) is attached, is formed as two branches (42a, 42b). The space left in between said branches (42a, 42b) is arranged as a cavity (15), in which the collecting tank (18) is fitted so that its front part (18a) is located essentially in the tip portion of the frame end (42) and simultaneously at the front portion of the cavity, and respectively its rear part (18b) is located in the rear portion of the cavity, and the bottom part (180d) of the collecting tank is essentially on the level of the frame bottom part (45). The discharge aperture (182) is arranged in the lower part (18b) of the collecting tank, advantageously in the bottom part (180d), said discharge aperture (182) being provided with a lid (19) that can be opened for removing clippings from the tank. An actuator (191) is fitted in connection with the lid (19) of the discharge aperture (182) of the collecting tank (18) for opening and closing said lid. The actuator (191) and the emptying of the collecting tank are controlled by intermediation of a control unit (11) provided in the device, according to instructions given from management and control means (9).

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• [X] US 4523788 A 19850618 - PRASAD KENI K [US]  
• [A] US 4907403 A 19900313 - JONES OTIS [US]  
• See references of WO 2007118926A1

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