

Title (en)
BREAKAWAY GUARD FOR A MOWER

Title (de)
ABREISSSCHUTZ FÜR EINEN RASENMÄHER

Title (fr)
CARTER DE PROTECTION CONTRE LE DÉCOLLAGE POUR TONDEUSE

Publication
EP 2608651 A4 20170517 (EN)

Application
EP 11820716 A 20110826

Priority
• US 37751310 P 20100827
• US 2011049322 W 20110826

Abstract (en)
[origin: WO2012027658A2] A mower is suspended from a frame and includes a header with a cutter with a main guard over the header and cutter. An outer guard is attached to the main guard at a front connection point and a rear connection point so that if the outer guard strikes a fixed object like a fence post it will fall off. The front connection is designed to separate slightly before, or at the same time as the rear connection to prevent damage to the main guard. This functionality is provided by allowing the outer guard to slide relative to the main guard, while the outer guard includes a spring loaded mounting plate that is part of the mounting structure, that contacts a fulcrum on the main structure, when the outer guard slides relative to the main guard, the spring loaded mounting plate contacts the fulcrum, continued movement of the outer guard results in the mount plate being pried away from the main guard, separating the connection in a controlled and reliably repeatable manner.

IPC 8 full level
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CPC (source: EP)
A01D 34/828 (2013.01); **A01D 75/18** (2013.01); **A01D 75/20** (2013.01)

Citation (search report)
• [A] US 5566535 A 19961022 - PRUITT MARTIN E [US]
• [A] EP 0706750 A1 19960417 - GREENLAND NIEUW VENNEP BV [NL]
• [A] US 5797251 A 19980825 - BUSBOOM GARRY W [US]
• [A] DE 8409742 U1 19840802
• See references of WO 2012027658A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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