

Title (en)  
Extendible scraper blade

Title (de)  
Verlängerbares Räumschild

Title (fr)  
Lame de raclage extensible

Publication  
**EP 2154294 A1 20100217 (EN)**

Application  
**EP 09167084 A 20090803**

Priority  
FI 20085762 A 20080805

Abstract (en)  
A bottom blade of a working vehicle, comprising a main blade (1) provided with a first cutting edge (2) and slide guides (3) in the direction of the main blade. A slide frame (4) has been directed to move in the direction of the main blade in the guidance of the slide guides (3). An extension blade (5) has been connected to the slide frame (4) to move relative to the main blade between a first position (I) and a second position (II). In the first position (I), the extension blade (5) is protruded outside the end of the main blade (1). In the second position (II), the extension blade (5) is retracted to a position where the extension blade and the main blade are disposed substantially one upon the other. A second cutting edge (6) is provided in the lower part of the extension blade. A power means (7) acts between the slide frame (4) and the main blade (1) to move the extension blade (5) between the first position (I) and the second position (II). The extension blade (5) is jointed to the slide frame (4) by a joint (7) to turn about a pivoting axis (X) in the direction of the main blade (1) so that in the first position (I) of the extension blade when the main blade is pressed against the underlying ground (R) the extension blade (5) turns relative to the main blade to a turned position (A) in which the second cutting edge (6) is aligned with the first cutting edge (2).

IPC 8 full level  
**E02F 3/815** (2006.01); **E01H 5/06** (2006.01)

CPC (source: EP FI)  
**E01H 5/06** (2013.01 - FI); **E01H 5/061** (2013.01 - EP); **E01H 5/066** (2013.01 - EP); **E01H 5/12** (2013.01 - EP); **E02F 3/815** (2013.01 - FI); **E02F 3/8155** (2013.01 - EP)

Citation (search report)

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- [A] US 2004025380 A1 20040212 - FREY OSCAR [CA]
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- [A] JP S5561623 A 19800509 - TOYO UMPANKI CO LTD
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Designated contracting state (EPC)  
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 SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2154294 A1 20100217**; FI 121124 B 20100715; FI 20085762 A0 20080805; FI 20085762 A 20100206

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