

Title (en)
AUGER-IMPELLER BUCKET ASSEMBLY FOR A SNOW REMOVAL DEVICE

Title (de)
SCHAUFELANORDNUNG MIT SCHNECKENANTRIEB FÜR EINE SCHNEERÄUMVORRICHTUNG

Title (fr)
ENSEMBLE DE BENNE À TARIÈRE-TURBINE POUR UN DISPOSITIF D'ÉLIMINATION DE LA NEIGE

Publication
EP 2815030 A4 20151125 (EN)

Application
EP 12867646 A 20120131

Priority
US 2012023253 W 20120131

Abstract (en)
[origin: WO2013115787A1] A snow removal device includes a frame, an engine supported at least in part by the frame, a mobility assembly and a bucket assembly. The mobility assembly is operably coupled to the frame and the engine to provide mobility of the snow removal device responsive at least in part to operation of the engine. The bucket assembly is operably coupled to the frame and houses a material conveyor and an impeller, each of which operate via power from the engine to provide snow removal operations. The bucket assembly includes one of each of a first stage housing, an impeller housing, and a discharge chute base. The bucket assembly is formed such that at least two among the first stage housing, the impeller housing, or the discharge chute base are integrally molded or cast as a single unitary component.

IPC 8 full level
E01H 5/09 (2006.01)

CPC (source: EP US)
E01H 5/045 (2013.01 - EP US); **E01H 5/098** (2013.01 - EP US)

Citation (search report)

- [X1] JP 2004360377 A 20041224 - HONDA MOTOR CO LTD
- [X1] US 2004255492 A1 20041223 - WHITE DONALD M [US], et al
- [A] US 5758436 A 19980602 - HARMS CLARENCE L [US]
- [A] CN 201762683 U 20110316 - NINGBO JOYO GARDEN TOOLS CO LTD
- See references of WO 2013115787A1

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

DOCDB simple family (publication)
WO 2013115787 A1 20130808; EP 2815030 A1 20141224; EP 2815030 A4 20151125; US 2015013196 A1 20150115

DOCDB simple family (application)
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