

Title (en)
HYBRID-DRIVEN SNOWPLOW

Title (de)
SCHNEEPFLUG MIT HYBRIDANTRIEB

Title (fr)
CHASSE-NEIGE À ENTRAÎNEMENT HYBRIDE

Publication
EP 3192925 A4 20180425 (EN)

Application
EP 15891600 A 20150722

Priority
• CN 201510236159 A 20150511
• CN 2015084735 W 20150722

Abstract (en)
[origin: US2017101755A1] A hybrid driving snow sweeper includes a snow sweeping impeller. The snow sweeping impeller is mounted on an impeller shaft. The impeller shaft is driven by a motor. The motor includes a DC motor and an AC motor. The DC motor and the AC motor are connected with a control panel. The control panel is connected with wires of battery power supply and AC power supply. The control panel controls the operation of the DC motor or the AC motor so as to drive the impeller shaft. The DC motor and the AC motor are set simultaneously.

IPC 8 full level
E01H 5/04 (2006.01)

CPC (source: EP US)
E01H 5/04 (2013.01 - EP US); **E01H 5/045** (2013.01 - EP US); **E01H 5/098** (2013.01 - EP US)

Citation (search report)
• [Y] US 3468041 A 19690923 - MATTSON CHARLES A, et al
• [Y] US 4333302 A 19820608 - THOMAS RONALD, et al
• [I] US 2014252996 A1 20140911 - LUCAS DELBERT E [US], et al
• [Y] WO 9914439 A1 19990325 - GINGERICH NEWTON ROY [CA], et al
• See references of WO 2016179897A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 2017101755 A1 20170413; CA 2953627 A1 20161117; CN 104912020 A 20150916; EP 3192925 A1 20170719; EP 3192925 A4 20180425; WO 2016179897 A1 20161117

DOCDB simple family (application)
US 201615384329 A 20161220; CA 2953627 A 20150722; CN 2015084735 W 20150722; CN 201510236159 A 20150511; EP 15891600 A 20150722