

Title (en)

VEHICLE-MOUNTED WIRE SAW FOR CUTTING USED WIND TURBINE BLADES

Title (de)

FAHRZEUGMONTIERTE DRAHTSÄGE ZUM SCHNEIDEN VON GEBRAUCHTEN WINDTURBINENSCHAUFELN

Title (fr)

SCIE À FIL MONTÉE SUR VÉHICULE POUR COUPER DES PALES D'ÉOLIENNE USÉES

Publication

EP 3697561 A4 20210714 (EN)

Application

EP 18868643 A 20181022

Priority

- US 201762575295 P 20171020
- US 2018056948 W 20181022

Abstract (en)

[origin: WO2019079823A1] A method of recycling wind turbine blades includes cutting whole wind turbine blades into pieces; crushing or shredding the cut pieces to produce particles; bagging the particles; and unloading the bags into a hopper fitted with an auger to deliver the particles a transportation vehicle. A movable wire-saw system is also provided that enables automated and expedited cutting of wind turbine blades as part of the recycling process. In one aspect the wire-saw system is mounted on rails configured to move the wire-saw along the length of a wind-turbine blade. In another aspect a wire-saw is mounted onto a skid loader so as to mobilize the wire saw further and provide improved flexibility in cutting wind-turbine blades in different locations, different elevations, and with improved precision.

IPC 8 full level

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CPC (source: EP)

B23D 57/0007 (2013.01); **B23D 57/003** (2013.01); **B23D 57/0038** (2013.01); **B23D 57/0053** (2013.01); **B23D 57/0092** (2013.01)

Citation (search report)

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- [XAI] JP H06312422 A 19941108 - KOMATSU MFG CO LTD
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- [YA] EP 1086794 A2 20010328 - BROCCO EMILIO [IT]
- [XPA] EP 3243592 A1 20171115 - VEOLIA UMWELTSERVICE WEST GMBH [DE]
- See references of WO 2019079823A1

Designated contracting state (EPC)

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