

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

**B23D 57/00** (2006.01); **B23D 59/00** (2006.01); **B28D 1/08** (2006.01)

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]
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- See references of WO 2019079823A1

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 2019079823 A1 20190425**; EP 3697561 A1 20200826; EP 3697561 A4 20210714

DOCDB simple family (application)

**US 2018056948 W 20181022**; EP 18868643 A 20181022