

Title (en)

ELECTROSTATIC DEVICE AND METHOD FOR RECOVERING MECHANICAL ENERGY BY TRIBOELECTRIC EFFECT

Title (de)

ELEKTROSTATISCHE VORRICHTUNG UND VERFAHREN ZUR RÜCKGEWINNUNG DER MECHANISCHEN ENERGIE DURCH TRIBOELEKTRISCHEN EFFEKT

Title (fr)

DISPOSITIF ELECTROSTATIQUE ET PROCEDE DE RECUPERATION D'ENERGIE MECANIQUE PAR EFFET TRIBOELECTRIQUE

Publication

**EP 2823555 A1 20150114 (FR)**

Application

**EP 13709179 A 20130305**

Priority

- FR 1251996 A 20120305
- EP 2013054405 W 20130305

Abstract (en)

[origin: WO2013131915A1] A device for recovering energy comprising a first assembly (E1) and a second assembly (E2) facing each other, the first assembly (E1) comprising a first conductive element (2) and a first dielectric element (6) carried by the first conductive element (2), and the second assembly (E2) comprising a second conductive element (4), said first dielectric element (6) being arranged between the first conductive element (2) and the second conductive element (4), wherein said device comprises means for ensuring that said first dielectric element (6) comes into contact with the second conductive element (4) and wherein the material of the first dielectric element (6) and the material of the second conductive element (4) are selected in such a way that they have different triboelectric affinities.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2013131915A1

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BA ME

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