

Title (en)

METHOD FOR SEPARATING A FIRST MECHANICAL PART FROM A SECOND MECHANICAL PART

Title (de)

VERFAHREN ZUR TRENNUNG EINES ERSTEN MECHANISCHEN TEILS VON EINEM ZWEITEN MECHANISCHEN TEIL

Title (fr)

PROCEDE DE DESOLIDARISATION D'UNE PREMIERE PIECE MECANIQUE D'UNE DEUXIEME PIECE MECANIQUE

Publication

**EP 3921113 A1 20211215 (FR)**

Application

**EP 20709268 A 20200204**

Priority

- FR 1901069 A 20190204
- FR 2020050178 W 20200204

Abstract (en)

[origin: CA3128288A1] The invention relates to a method for separating a first mechanical part (12) from a second mechanical part (14), wherein the second mechanical part (14) is bonded to the first mechanical part (12) by an adhesive film (16) along a connecting area, the first mechanical part (12) having a first specific thermal conductivity and the second mechanical part (14) having a second thermal conductivity that is higher than the first thermal conductivity, characterised in that it comprises at least one cooling step during which the second mechanical part (14) is cooled to a negative temperature and at least one stressing step during which the second mechanical part (14) is subjected to mechanical stress in order to cause the adhesive film (16) to break.

IPC 8 full level

**B23P 15/04** (2006.01); **B26F 3/06** (2006.01); **B32B 43/00** (2006.01); **C09J 5/06** (2006.01)

CPC (source: EP US)

**B23P 6/002** (2013.01 - US); **B23P 19/04** (2013.01 - EP US); **B24C 1/10** (2013.01 - US); **B24C 5/005** (2013.01 - US); **B26F 3/06** (2013.01 - EP US); **B64C 11/205** (2013.01 - EP US); **B64C 11/26** (2013.01 - EP); **B64C 27/473** (2013.01 - EP); **B64F 5/40** (2017.01 - EP); **C09J 5/00** (2013.01 - EP); **F01D 5/005** (2013.01 - EP US); **F01D 5/147** (2013.01 - EP); **F01D 5/288** (2013.01 - EP US); **B23P 6/002** (2013.01 - EP); **B23P 15/04** (2013.01 - EP); **B32B 43/006** (2013.01 - EP); **B32B 2603/00** (2013.01 - EP); **B64C 2027/4736** (2013.01 - EP); **C09J 2301/502** (2020.08 - EP); **F04D 29/324** (2013.01 - EP); **F05D 2230/10** (2013.01 - EP US); **F05D 2300/5024** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

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)

**FR 3092267 A1 20200807**; **FR 3092267 B1 20210409**; BR 112021015211 A2 20210928; CA 3128288 A1 20200813; CN 113474117 A 20211001; CN 113474117 B 20240220; EP 3921113 A1 20211215; JP 2022524292 A 20220502; US 11731221 B2 20230822; US 2022143766 A1 20220512; WO 2020161426 A1 20200813

DOCDB simple family (application)

**FR 1901069 A 20190204**; BR 112021015211 A 20200204; CA 3128288 A 20200204; CN 202080015784 A 20200204; EP 20709268 A 20200204; FR 2020050178 W 20200204; JP 2021544546 A 20200204; US 202017427321 A 20200204