

Title (en)  
FRACTURE-SPLITTING APPARATUS AND FRACTURE-SPLITTING METHOD FOR FRACTURE-SPLITTING WORKPIECES

Title (de)  
BRUCHTRENNVORRICHTUNG UND BRUCHTRENNVERFAHREN ZUM BRUCHTRENNEN VON WERKSTÜCKEN

Title (fr)  
DISPOSITIF DE SÉPARATION PAR RUPTURE ET PROCÉDÉ DE SÉPARATION PAR RUPTURE PERMETTANT DE SÉPARER DES PIÈCES PAR RUPTURE

Publication  
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Application  
**EP 13736770 A 20130704**

Priority

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- EP 2013001963 W 20130704

Abstract (en)  
[origin: CA2879810A1] The invention relates to a fracture-splitting method and a fracture-splitting apparatus (10) for fracture-splitting workpieces (90-490), in particular engine components (91) or connecting rods (92), having a cooling device (20-420) for cooling the workpiece (90-490) in a splitting zone (100), and having a fracturing device (11) for fracture-splitting the workpiece (90-490) in the region of the cooled splitting zone (100), wherein an inflow coolant duct (30-430) opens out at at least one outlet opening (31-431) of the cooling device (20-420) in order to cool the splitting zone (100), wherein the cooling device (20-420) has at least one sealing portion (24-424) for bearing in a sealing manner against the workpiece (90-490) next to the splitting zone (100) in order to cool the workpiece (90-490) in the splitting zone (100) in a locally delimited manner, and/or has at least one admission opening (41-441) of at least one outflow coolant duct (40-440), said admission opening (41-441) being arranged next to the at least one outlet opening (31-431) of the inflow coolant duct (30-430), in order to conduct the coolant (32) away from the splitting zone (100) of the workpiece (90-490).

IPC 8 full level  
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See references of WO 2014019637A1

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JP S59166408 A 19840919 - MITSUBISHI HEAVY IND LTD

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