

Title (en)

WATER-SOLUBLE WORKING FLUID FOR FIXED ABRASIVE GRAIN WIRE SAW

Title (de)

WASSERLÖSLICHE ARBEITSFLÜSSIGKEIT FÜR EINE DRAHTSÄGE MIT EINEM FIXIERTEN SCHLEIFMITTEL

Title (fr)

FLUIDE DE TRAVAIL HYDROSOLUBLE POUR MACHINE À SCIER À FIL À GRAINS ABRASIFS FIXES

Publication

**EP 2679661 A1 20140101 (EN)**

Application

**EP 12749002 A 20120221**

Priority

- JP 2011037634 A 20110223
- JP 2012054115 W 20120221

Abstract (en)

Provided is a water-soluble working fluid for a fixed-abrasive wire saw, the water-soluble working fluid comprising: (C) a carboxylic acid; (D) a compound which shows basicity on dissolution in water; and (E) water, wherein an electrical conductivity at 25°C of the water-soluble working fluid is 300 µS/cm or more and 3000 µS/cm or less; a pH at 25°C of the water-soluble working fluid is 5 or more and 10 or less; and a viscosity of a simulated fluid formed by adding 10 mass % of a silicon powder having an average particle size of 1.5 µm to the water-soluble working fluid and stirring a resultant mixture is less than 30 mPa·s at 25°C.

IPC 8 full level

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CPC (source: EP KR)

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Cited by

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