

Title (en)

METHOD OF CONTROLLING WATER BASE-PROCESS TYPE LUBRICATING AND PROCESSING FLUID FOR COLD FORGING

Title (de)

VERFAHREN ZUM REGELN EINER SCHMIER- ODER BEHANDLUNGSFLÜSSIGKEIT AUF WASSERBASIS FÜR KALTSCHMIEDEN

Title (fr)

PROCEDE DE REGLAGE D'UN FLUIDE DE LUBRIFICATION ET DE TRAITEMENT A BASE D'EAU UTILISE DANS LE FORGEAGE A FROID

Publication

EP 1321206 A1 20030625 (EN)

Application

EP 01961302 A 20010903

Priority

- JP 0107590 W 20010903
- JP 2000267883 A 20000905

Abstract (en)

An effective and simple controlling process for an aqueous lubricant of one process type used for cold forging of metallic material are explained. The process is carried out on an aqueous lubricant of one process type containing at least one water soluble inorganic salt. In order to obtain a preferred weight of the lubricative coating layer by applying this aqueous lubricant, the electric conductivity of the aqueous lubricant are measured and controlled in a preferred level by supplementing a constituent to the aqueous lubricant. <IMAGE>

IPC 1-7

B21J 3/00; **B21K 7/00**

IPC 8 full level

B21J 3/00 (2006.01); **C10M 173/00** (2006.01); **C10M 173/02** (2006.01)

CPC (source: EP US)

B21J 3/00 (2013.01 - EP US); **C10M 173/00** (2013.01 - EP US); **C10M 173/02** (2013.01 - EP US); **C10M 2201/084** (2013.01 - EP US); **C10M 2201/087** (2013.01 - EP US); **C10M 2201/102** (2013.01 - EP US); **C10N 2010/12** (2013.01 - EP US); **C10N 2040/22** (2013.01 - EP US); **C10N 2040/24** (2013.01 - EP US); **C10N 2040/243** (2020.05 - EP US); **C10N 2050/02** (2013.01 - EP US)

Citation (search report)

See references of WO 0220193A1

Designated contracting state (EPC)

BE GB

DOCDB simple family (publication)

EP 1321206 A1 20030625; AU 8260001 A 20020322; BR 0113549 A 20040203; CA 2419731 A1 20020314; CN 1292855 C 20070103; CN 1452525 A 20031029; TW 562909 B 20031121; US 2003167812 A1 20030911; WO 0220193 A1 20020314

DOCDB simple family (application)

EP 01961302 A 20010903; AU 8260001 A 20010903; BR 0113549 A 20010903; CA 2419731 A 20010903; CN 01815124 A 20010903; JP 0107590 W 20010903; TW 90121902 A 20010904; US 36339903 A 20030514