

Title (en)
TWO-PACK-TYPE SEIZING INHIBITOR FOR HOT PLASTIC WORKING AND PROCESS FOR PRODUCING SEAMLESS TUBE WITH THE SAME

Title (de)
ZWEIKOMPONENTEN-BLOCKIERUNGSMINIBITOR FÜR DIE HEISSBEARBEITUNG VON KUNSTSTOFF UND DESSEN VERWENDUNG IN EINEM VERFAHREN ZUR HERSTELLUNG EINES NAHTLOSEN ROHRS

Title (fr)
INHIBITEUR DE GRIPPAGE DE TYPE À GARNITURE DOUBLE POUR TRAVAIL DE PLASTIQUE À CHAUD ET PROCÉDÉ DE FABRICATION DE TUBE SANS RACCORD UTILISANT LEDIT INHIBITEUR

Publication
EP 1862530 A4 20120125 (EN)

Application
EP 06713423 A 20060209

Priority
• JP 2006302280 W 20060209
• JP 2005033015 A 20050209

Abstract (en)
[origin: EP1862530A1] The present invention provide a two-component anti-seizure agent for hot metal working process comprising the first aqueous solution and the second aqueous solution, wherein the first aqueous solution contains 10~30 mass % of sodium silicate equivalent to anhydride to 100 mass % of total mass of the first aqueous solution, and the second aqueous solution contains at least one kind Selected from a group consisting of: an organic acid and water-soluble amine salts thereof, an inorganic acid and water-soluble amine salts thereof, a water-soluble amine, a water-soluble alcohol, and a water-soluble metal chloride. When the two-component anti-seizure agent is applied onto disk-roll type guide shoes, it can be provided and maintained on the circumferential surface of the disk-roll type guide shoes without washed away by rolls' cooling water. Thereby, the anti-seizure agent does not adhere to rolls and the rolls and a pipe material do not cause slippage each other. Thus, it is capable to carry out piercing-rolling of the pipe material.

IPC 8 full level
C10M 173/02 (2006.01); **B21B 19/04** (2006.01); **B21B 45/02** (2006.01); **C10N 10/02** (2006.01); **C10N 10/04** (2006.01); **C10N 10/06** (2006.01); **C10N 10/12** (2006.01); **C10N 10/16** (2006.01); **C10N 30/06** (2006.01); **C10N 40/24** (2006.01); **C10N 50/02** (2006.01)

CPC (source: EP)
C10M 173/02 (2013.01); **B21B 19/04** (2013.01); **C10M 2201/062** (2013.01); **C10M 2201/081** (2013.01); **C10M 2201/085** (2013.01); **C10M 2201/087** (2013.01); **C10M 2201/10** (2013.01); **C10M 2201/102** (2013.01); **C10M 2207/021** (2013.01); **C10M 2207/10** (2013.01); **C10M 2207/122** (2013.01); **C10M 2207/123** (2013.01); **C10M 2207/124** (2013.01); **C10M 2209/12** (2013.01); **C10M 2215/02** (2013.01); **C10N 1010/02** (2013.01); **C10N 2010/04** (2013.01); **C10N 2010/06** (2013.01); **C10N 2010/14** (2013.01); **C10N 2030/06** (2013.01); **C10N 2040/24** (2013.01); **C10N 2040/241** (2020.05); **C10N 2040/242** (2020.05); **C10N 2050/01** (2020.05); **C10N 2050/02** (2013.01)

Citation (search report)
• [AD] JP H04288916 A 19921014 - KAWASAKI STEEL CO, et al
• [AD] JP H1135967 A 19990209 - SUMITOMO METAL IND, et al
• See references of WO 2006085599A1

Cited by
US8024953B2

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 1862530 A1 20071205; **EP 1862530 A4 20120125**; **EP 1862530 B1 20171213**; BR PI0606156 A2 20090602; BR PI0606156 B1 20160329; CN 101142304 A 20080312; CN 101142304 B 20120118; JP 2006219556 A 20060824; JP 4597695 B2 20101215; WO 2006085599 A1 20060817

DOCDB simple family (application)
EP 06713423 A 20060209; BR PI0606156 A 20060209; CN 200680004481 A 20060209; JP 2005033015 A 20050209; JP 2006302280 W 20060209