

Title (en)

Joule effect continuous annealer for multiple wire drawing machines

Title (de)

Durchlaufglühanlage für Mehrfachdrahtziehmaschinen mittels Joule-Effekt

Title (fr)

Dispositif de recuit continu par effet Joule pour machines de tréfilage multiple

Publication

EP 1063306 A2 20001227 (EN)

Application

EP 00201070 A 20000323

Priority

IT MI990650 A 19990330

Abstract (en)

A continuous joule effect annealer for multiple wire drawing machines comprises a capstan (5) for the dragging of the wires (2) that is made rotate at a constant speed by a first motor (6) and at least two contact rollers (12-14) that are engaged by said wires (2) and that are kept at an electric potential having alternate polarity with respect to one another and to the capstan. The contact rollers (12-14) are made rotate by a second motor (15) that is independent from the first one (6). Between said capstan (5) and said contact rollers (12-14) an idle roller (17) is interposed that is suitable to detect the degree of tensioning of the wires (2) that are being treated and to operate on a speed governor (21, 22) that is associated with said second motor (15) in order to govern the rotation speed of the contact rollers (12-14) to such a value as to assure a tangential speed of the same rollers equal to the wires' dragging speed (2). <IMAGE>

IPC 1-7

C21D 9/62

IPC 8 full level

C21D 9/62 (2006.01); **C21D 8/06** (2006.01)

CPC (source: EP)

C21D 9/62 (2013.01); **C21D 8/06** (2013.01)

Cited by

WO2005100617A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1063306 A2 20001227; **EP 1063306 A3 20031008**; IT 1312036 B1 20020404; IT MI990650 A1 20000930

DOCDB simple family (application)

EP 00201070 A 20000323; IT MI990650 A 19990330