

Title (en)
PROCESS AND PLANT FOR MANUFACTURING GRATES

Title (de)
VERFAHREN UND ANLAGE ZUM HERSTELLEN VON GITTERMATTEN

Title (fr)
PROCEDE ET INSTALLATION DE FABRICATION DE MATS EN TREILLIS

Publication
EP 0981414 A1 20000301 (DE)

Application
EP 99900389 A 19990108

Priority

- AT 9900005 W 19990108
- AT 23598 A 19980210

Abstract (en)
[origin: WO9941029A1] A process and plant are disclosed for manufacturing grates made of longitudinal and transverse hot-rolled steel rods which cross one another and are welded together at their crossing points. The billet used to form the longitudinal rods is continuously withdrawn in a device (1) over a spill from a wire storage, stretched to improve its mechanical technological properties, then tempered and cut into sections. The longitudinal rods are then arranged in groups, according to the arrangement of the longitudinal rods in the grate to be produced, are moved into the working region of the grate welding machine (4) and introduced therein. The billet for forming the transverse rods is continuously withdrawn in a device (5) over a spill from a wire storage, stretched to improve its mechanical technological properties, then conveyed through a buffer storage, tempered, then each transverse rod separated from the billet is fed to the grate welding machine in time with the welding cycles.

IPC 1-7
B21F 27/10

IPC 8 full level
B21F 9/00 (2006.01); **B21F 27/10** (2006.01)

CPC (source: EP)
B21F 9/00 (2013.01); **B21F 9/007** (2013.01); **B21F 27/10** (2013.01)

Designated contracting state (EPC)
AT CH DE ES GB GR IT LI

DOCDB simple family (publication)
WO 9941029 A1 19990819; AT 407719 B 20010525; AT A23598 A 20001015; AT E227179 T1 20021115; DE 59903300 D1 20021212; EP 0981414 A1 20000301; EP 0981414 B1 20021106; ES 2143971 T1 20000601; ES 2143971 T3 20030301

DOCDB simple family (application)
AT 9900005 W 19990108; AT 23598 A 19980210; AT 99900389 T 19990108; DE 59903300 T 19990108; EP 99900389 A 19990108; ES 99900389 T 19990108