

Title (en)
Robotic machining tool with continuous work belt

Title (de)
Robotisiertes Bearbeitungswerkzeug für Endlosförderbänder

Title (fr)
Outil robotisé d'usinage à bande travaillante sans fin

Publication
EP 1946887 B1 20090304 (FR)

Application
EP 07291631 A 20071227

Priority
FR 0700322 A 20070118

Abstract (en)
[origin: EP1946887A1] The tool (10) has two casters (60) made of an electrically conducting material and mounted on a rotational axis (26) of a front driven pulley (12). The casters have external diameter larger than that of the pulley to define a machining side between continuous working abrasive belt (15) and a machining surface. Terminals of an electric energy source are connected to each caster and a workpiece. A detection unit detects a passage of electric current between each caster and the workpiece and is connected to a control unit for controlling a position and trajectory of the tool.

IPC 8 full level
B24B 21/16 (2006.01); **B24B 9/00** (2006.01); **B24B 21/18** (2006.01); **B24B 49/10** (2006.01); **B24D 99/00** (2010.01)

CPC (source: EP US)
B24B 9/00 (2013.01 - EP US); **B24B 21/16** (2013.01 - EP US); **B24B 21/18** (2013.01 - EP US); **B24B 49/10** (2013.01 - EP US)

Cited by
CN113118939A; CN102922393A

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1946887 A1 20080723; **EP 1946887 B1 20090304**; DE 602007000641 D1 20090416; FR 2911526 A1 20080725; FR 2911526 B1 20091218; JP 2008173762 A 20080731; JP 5110430 B2 20121226; RU 2008101908 A 20090727; RU 2452604 C2 20120610; US 2009011691 A1 20090108; US 7896727 B2 20110301

DOCDB simple family (application)
EP 07291631 A 20071227; DE 602007000641 T 20071227; FR 0700322 A 20070118; JP 2008007634 A 20080117; RU 2008101908 A 20080117; US 1578008 A 20080117