

Title (en)

Method and apparatus for abrading a surface of an object

Title (de)

Verfahren und Vorrichtung zum abrasiven Bearbeiten einer Oberfläche eines Gegenstandes

Title (fr)

Procédé et appareil d'abrasion de surface d'un objet

Publication

EP 2253428 A1 20101124 (EN)

Application

EP 10163009 A 20100517

Priority

IT MO20090128 A 20090518

Abstract (en)

A method for shaping a surface (5) of an object (6) comprises the steps of: advancing the object (6) along an advancing direction (A); pressing abrasive tool means (9) against the surface (5) to abrade the surface, the abrasive tool means (9) comprising roller means (10); rotating the roller means (10) around a geometrical axis (Z) thereof contained in a plane that is substantially parallel to the advancing direction (A); and further comprises the step of making the roller means (10) oscillate around an oscillation axis (X) that is substantially parallel to the geometrical axis (Z) to obtain an undulated profile (39) of the surface (5). A shaping apparatus for shaping a surface (5) of an object (6) that is movable along an advancing direction (A) comprises abrasive tool means (9) arranged for pressing against the surface (5) to abrade the surface (5), the abrasive tool means (9) comprising roller means (10) that is rotatable around the geometrical axis (Z) thereof contained in a plane that is substantially parallel to the advancing direction (A), and further comprises oscillation generating means (17) arranged for making the roller means (10) oscillate around an oscillation axis (X) that is substantially parallel to the geometrical axis (Z) to obtain an undulated profile (39) of the surface (5).

IPC 8 full level

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Citation (search report)

- [A] US 2004087260 A1 20040506 - WANG WANG TIEN [TW]
- [A] DE 10102184 A1 20020801 - FRAUNHOFER GES FORSCHUNG [DE]

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CN106181697A; CN116922184A; EP2511045A1; ITBO20110200A1

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