

Title (en)

METHOD FOR PRODUCING A SHELL-SHAPED COMPONENT AND PRODUCTION SYSTEM SUITABLE FOR THE USE OF SAID METHOD

Title (de)

VERFAHREN ZUM ERZEUGEN EINES SCHALENFÖRMIGEN BAUTEILS SOWIE ZUR ANWENDUNG DIESES VERFAHRENS GEEIGNETE HERSTELLUNGSANLAGE

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ÉLÉMENT STRUCTURAL CONCAVE AINSI QU'ÉQUIPEMENT DE PRODUCTION POUR LA MISE EN ŒUVRE DE CE PROCÉDÉ

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Application

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Abstract (en)

[origin: CA2913073A1] The invention relates to a method for producing a shell-shaped component (18). The invention further relates to a production system that is suitable for producing such a component (18). According to the invention, the component (18) is produced by a cold gas stream (17) by means of cold gas spraying. The particles of the cold gas stream (17) are applied to the edge (20) of the component (18) being produced, wherein simultaneously a supporting body (16) is used, which, according to the invention, supports the component only at the point of incidence of the cold gas stream (17). In this way, the form of the component (18) can be shaped by suitably moving the supporting body (16) and the cold spray nozzle, without having to produce a core that fills the entire volume of the shell-shaped component (18). Thus, the method according to the invention is advantageously especially economical for small quantities, because the supporting body (16) can be used universally for components of different geometries. According to the invention, the production system therefore has a movable supporting body in addition to the cold spray nozzle.

IPC 8 full level

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