

Title (en)  
MANUFACTURING METHOD FOR CLOSED IMPELLERS

Title (de)  
HERSTELLUNGSVERFAHREN FÜR GESCHLOSSENE LAUFRÄDER

Title (fr)  
PROCÉDÉ DE FABRICATION DE ROUES FERMÉES

Publication  
**EP 2349625 A1 20110803 (DE)**

Application  
**EP 09756271 A 20091020**

Priority  
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Abstract (en)  
[origin: EP2177298A1] The method involves forming blade channels (3) between blades (2, 2a), and forming blank shape-openings for blade channels using a program-controlled machining device e.g. fivefold-computer numerical control-milling machine. Electrodes of an electric discharge machining device or an electrochemical spark machining device are introduced in the openings, which are permanent. A part of predetermined shape of the blade channels is formed using electric discharge machining or electrochemical spark machining.

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CPC (source: EP US)  
**B23C 3/18** (2013.01 - EP US); **B23H 9/00** (2013.01 - EP US); **B23H 9/10** (2013.01 - EP US); **B23P 15/006** (2013.01 - EP US); **F04D 29/023** (2013.01 - EP US); **F04D 29/026** (2013.01 - EP US); **F04D 29/227** (2013.01 - EP US); **F04D 29/284** (2013.01 - EP US); **B23C 2215/48** (2013.01 - EP US); **F05D 2230/11** (2013.01 - EP US); **F05D 2230/12** (2013.01 - EP US)

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