

Title (en)
HYDRAULIC MACHINE HAVING A SPECIALLY SHAPED SPIRAL HOUSING

Title (de)
HYDRAULISCHE MASCHINE MIT EINEM SPEZIELL GEFORMTEN SPIRALGEHÄUSE

Title (fr)
MACHINE HYDRAULIQUE AYANT UN CARTER EN VOLUTE DE FORME SPÉCIALE

Publication
EP 2089631 A1 20090819 (DE)

Application
EP 07801760 A 20070818

Priority
• EP 2007007320 W 20070818
• DE 102006050203 A 20061025

Abstract (en)
[origin: DE102006050203A1] The hydraulic machine has an impeller with multiple blades, a spiral housing (3) surrounding the impeller and a traverse ring. The traverse ring has two traverse ring shrouds (4.1,4.2), which are connected to each other by tie rods. The regions of circumferential edges are configured and disposed so that both extend parallel to the axis of rotation of the impeller, or form an angle of not more than 11 degrees.

IPC 8 full level
F03B 3/18 (2006.01)

CPC (source: EP)
F03B 3/186 (2013.01); **F05B 2230/23** (2013.01); **F05B 2230/232** (2013.01); **Y02E 10/20** (2013.01); **Y02P 70/50** (2015.11)

Citation (search report)
See references of WO 2008049479A1

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DE 102006050203 A1 20080430; BR PI0718132 A2 20131105; CA 2667497 A1 20080502; CA 2667497 C 20160503; CN 101548095 A 20090930; CN 101548095 B 20130717; CO 6180471 A2 20100719; EP 2089631 A1 20090819; MX 2009004315 A 20090716; RU 2009119455 A 20101127; RU 2450157 C2 20120510; WO 2008049479 A1 20080502

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DE 102006050203 A 20061025; BR PI0718132 A 20070818; CA 2667497 A 20070818; CN 200780039860 A 20070818; CO 09052921 A 20090522; EP 07801760 A 20070818; EP 2007007320 W 20070818; MX 2009004315 A 20070818; RU 2009119455 A 20070818