

Title (en)  
DEVICE USING A LOCAL IRREGULARITY TO REDUCE THE EXTENT OF THE UNWANTED MOVEMENTS OF WEATHER BALLOONS

Title (de)  
METEOROLOGISCHER BALLONSONDE MIT EINER LOKALEN OBERFLÄCHENUNEVENHEIT ZUR BESCHRÄNKUNG DER AMPLITUDE VON PARASITÄRBEWEGUNGEN

Title (fr)  
DISPOSITIF UTILISANT UNE ASPERITE LOCALE POUR REDUIRE L'AMPLITUDE DES MOUVEMENTS PARASITES DES BALLONS DE SONDAGE METEOROLOGIQUES

Publication  
**EP 1185890 A1 20020313 (FR)**

Application  
**EP 00929629 A 20000518**

Priority  

- FR 0001343 W 20000518
- FR 9906270 A 19990518
- FR 0000047 A 20000104

Abstract (en)  
[origin: FR2793887A1] To increase the stability of the balloon during ascent a unique surface projection is used as an aerodynamic obstacle. This projection is fixed to the balloons envelope so that any aerodynamic force acting on it transmits itself to the balloon. The projection is placed on the upper part of the balloon on the upper hemisphere whilst being separated from the pole and the equator by so as to prevent air currents from sticking to the balloons surface at its lower hemisphere.

IPC 1-7  
**G01W 1/08**; **B64B 1/42**

IPC 8 full level  
**B64B 1/40** (2006.01); **B64B 1/42** (2006.01); **B64C 21/10** (2006.01); **F15D 1/12** (2006.01); **G01W 1/08** (2006.01)

CPC (source: EP US)  
**B64B 1/42** (2013.01 - EP US); **B64C 21/10** (2013.01 - EP US); **F15D 1/12** (2013.01 - EP US); **G01W 1/08** (2013.01 - EP US); **Y02T 50/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 0070369A1

Citation (examination)  
FR 2762399 A1 19981023 - AERO PRODUITS [FR]

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