

Title (en)  
AVIATION MASK

Title (de)  
LUFTFAHRTMASKE

Title (fr)  
MASQUE D'AVIATION

Publication  
**EP 3100768 A1 20161207 (EN)**

Application  
**EP 16172502 A 20160601**

Priority  
• IN 2778CH2015 A 20150602  
• IN 4701CH2015 A 20150904

Abstract (en)  
An aviation mask is disclosed which includes a first set of sensors that monitors cockpit ambient air and health of an aircraft crew member for detecting parameters that cause respiratory disorder to the aircraft crew member, an oxygen regulator that switches between a dilution mode, an emergency mode, and a recirculation mode to supply respiratory gas to the aircraft crew member, an augmented reality visor, a second set of sensors that detects a portion of a cockpit area that is viewed by the aircraft crew member, and a display computational unit that projects a prestored image associated with the portion onto the augmented reality visor which is superimposed over the portion of the cockpit area. The first set of sensors also monitors aircraft cockpit area for detecting vision obscured emergencies. The superimposed prestored image is used to identify objects in the portion during the vision obscured emergency.

IPC 8 full level  
**A62B 7/14** (2006.01); **A62B 18/08** (2006.01)

CPC (source: EP)  
**A62B 7/14** (2013.01); **A62B 18/082** (2013.01)

Citation (search report)  
• [A] EP 1121959 A1 20010808 - OPTREL AG [CH]  
• [A] US 2014347197 A1 20141127 - BOOMGARDEN GÜNTER [DE], et al  
• [A] US 2012160244 A1 20120628 - SHARMA HK ANURAG [IN]

Cited by  
FR3120731A1; CN115337025A; WO2022194696A1

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Designated extension state (EPC)  
BA ME

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