

Title (en)
RESPIRATOR MASK

Title (de)
ATEMSCHUTZMASKE

Title (fr)
MASQUE RESPIRATOIRE

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Application
EP 18206186 A 20181114

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Abstract (en)
The present disclosure provides a respirator mask (2) adapt to cover the mouth and the nose of a user. The respirator mask (2) comprises a mask body (20) and a filter unit (30). The mask body (20) has a ventilation opening (24), and an end face of the ventilation opening (24) forms a ventilation flux surface (F1). The filter unit (30) comprises a filter portion (31) and a connection portion (32), wherein the filter portion (31) comprises a plurality of connection sheets (311) jointly forming a folding structure. The folding structure forms a fold flux surface (F2), wherein an area of the fold flux surface (F2) is bigger than that of the ventilation flux surface (F1). The ventilation opening (24) is sealed by the filter unit (30). The respirator mask (2) of the present invention has the fold flux surface (F2) which increases the flux area to make enough air flux pass through the respirator mask (2) and prevent a user from having difficulty in breathing with the respirator mask (2).

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Citation (search report)
• [XAYI] CN 205759182 U 20161207 - LANG ZHIWU
• [YA] WO 2018118849 A1 20180628 - 3M INNOVATIVE PROPERTIES CO [US]
• [A] US 6988500 B1 20060124 - COX DUANE [US]

Cited by
EP3925472A1; IT202000014794A1

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