

Title (en)  
MUNICIPAL CROSSROADS STRUCTURE

Title (de)  
STRUKTUR FÜR STÄDTISCHE KREUZUNGEN

Title (fr)  
STRUCTURE DE CARREFOUR URBAIN

Publication  
**EP 2918724 A4 20160127 (EN)**

Application  
**EP 12888202 A 20121112**

Priority  
CN 2012001532 W 20121112

Abstract (en)  
[origin: EP2918724A1] Disclosed is a municipal crossroads structure, wherein a first artery (1) and a second artery (2) form a central platform (3) at an intersection, the first artery (1) is provided with a low tunnel (4) passing underneath the central platform (3), a cross turning tunnel (5) is diverged from the low tunnel (4), and a height of the two types of tunnels enabling vehicles to pass therethrough is no less than 2 meters and no more than 3 meters. The first artery (1) is separated by the low tunnels (4) into two ground surface lanes (7, 8) which are intended for travel in opposite directions and can be used by large vehicles, the two ground surface lanes (7, 8) are connected on the central platform (3) to form U-turn lanes (9, 10), and the U-turn lanes (9, 10) are located on left and right sides of a straight-on lane of the second artery (2) on the central platform (3). The municipal crossroads structure uses the low tunnels (4), the cross turning tunnels (5) and the central platform (3) to enable split-flow for small and large vehicles and vehicles travelling in different directions, such that a large number of small vehicles can travel without being caught in a traffic jam, and traffic is smooth across the whole crossroads.

IPC 8 full level  
**E01C 1/04** (2006.01)

CPC (source: EP US)  
**E01C 1/002** (2013.01 - EP US); **E01C 1/02** (2013.01 - US); **E01C 1/04** (2013.01 - EP US); **E21D 9/14** (2013.01 - EP US)

Citation (search report)

- [A] BE 572980 A
- [A] CN 1201853 A 19981216 - LI XUESI [CN]
- [A] CN 201305804 Y 20090909 - SONGGUI MO [CN]
- See references of WO 2014071543A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2918724 A1 20150916; EP 2918724 A4 20160127; EP 2918724 B1 20170531**; CN 104093907 A 20141008; CN 104093907 B 20160518; HK 1215058 A1 20160812; JP 2015535556 A 20151214; JP 6093871 B2 20170308; KR 20150105949 A 20150918; PL 2918724 T3 20171031; US 2015284913 A1 20151008; WO 2014071543 A1 20140515

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