

Title (en)  
PREPARATION OF IMMUNOSTIMULATING AGENTS BASED ON PROPIONIBACTERIA

Title (de)  
HERSTELLUNG IMMUNSTIMULIERENDER MITTEL AUF BASIS VON PROPIONIBAKTERIEN

Title (fr)  
PREPARATION D'AGENTS IMMUNOSTIMULANTS A BASE DE PROPIONIBACTERIES

Publication  
**EP 0918530 A1 19990602 (DE)**

Application  
**EP 97933674 A 19970714**

Priority  
• DE 19630230 A 19960726  
• EP 9703747 W 19970714

Abstract (en)  
[origin: DE19630230A1] The preparation of immunostimulating agents based on propionibacteria is characterised in that the bacteria are multiplied in an anaerobic liquid culture and inactivated in the usual manner once fermentation is completed. The thus obtained cell mass is separated, washed, filtered and dried.

IPC 1-7  
**A61K 35/74**

IPC 8 full level  
**A61K 35/74** (2015.01); **A61P 37/04** (2006.01); **C12N 15/03** (2006.01)

CPC (source: EP KR)  
**A61K 35/74** (2013.01 - EP KR); **A61P 37/04** (2017.12 - EP); **C12N 15/03** (2013.01 - KR)

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DOCDB simple family (publication)  
**DE 19630230 A1 19980129**; AU 3694897 A 19980220; BR 9710562 A 19990817; CA 2261991 A1 19980205; CN 1226170 A 19990818; CZ 26799 A3 19990512; EP 0918530 A1 19990602; JP 2000516922 A 20001219; KR 20000023629 A 20000425; NO 990325 D0 19990125; NO 990325 L 19990125; PL 331146 A1 19990621; SK 5599 A3 19990712; TR 199802777 T2 19990421; WO 9804275 A1 19980205

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**DE 19630230 A 19960726**; AU 3694897 A 19970714; BR 9710562 A 19970714; CA 2261991 A 19970714; CN 97196768 A 19970714; CZ 26799 A 19970714; EP 9703747 W 19970714; EP 97933674 A 19970714; JP 50843498 A 19970714; KR 19997000078 A 19990108; NO 990325 A 19990125; PL 33114697 A 19970714; SK 5599 A 19970714; TR 9802777 T 19970714