

Title (en)  
FRUIT FLY ATTRACTANTS AND BAITS.

Title (de)  
LOCKSTOFFE UND KÖDER FÜR FRUCHTFLIEGEN.

Title (fr)  
APPATS POUR DROSOPHILES, ET AUTRES SUBSTANCES LES ATTIRANT.

Publication  
**EP 0162055 A4 19880608 (EN)**

Application  
**EP 84903799 A 19841017**

Priority  
• AU PG189483 A 19831017  
• AU PG242683 A 19831117  
• AU PG495584 A 19840511  
• AU PG652384 A 19840813

Abstract (en)  
[origin: WO8501638A1] A bait for fruit fly comprising live bacteria of at least one species of the family Enterobacteriaceae on which fruit fly have been found to feed. The bait includes a substrate which is able to support the growth of the bacteria, and an agent toxic to the fruit fly, such as a pesticide. Preferred attractant bacteria species are *Erwinia herbicola*, *Citrobacter freundii*, *Citrobacter diversus*, *Providencia rettgeri*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Proteus vulgaris*, *Serratia liquefaciens*. Fruit fly attractants are also disclosed comprising the above bacteria and a substrate, without the toxic agent. These attractants are primarily used in fruit fly traps. Also disclosed are baits and attractant compositions including volatile compounds which are produced by the bacteria, and which serve as attractants to fruit fly. Preferred attractant compounds are 2-butanone, phenylacetate, butan-1-ol and isopentanol. Storage-stable pre-mixes are also described.

IPC 1-7  
**A01N 63/00**; **C12N 1/20**

IPC 8 full level  
**A01N 25/00** (2006.01); **A01N 31/02** (2006.01); **A01N 35/02** (2006.01); **A01N 37/02** (2006.01); **A01N 63/20** (2020.01)

CPC (source: EP US)  
**A01N 25/006** (2013.01 - EP); **A01N 31/02** (2013.01 - EP US); **A01N 35/02** (2013.01 - EP); **A01N 37/02** (2013.01 - EP);  
**A01N 63/20** (2020.01 - EP US)

Citation (search report)  
• [Y] FR 1583271 A 19691024  
• [A] US 4369176 A 19830118 - OTT JERRY E  
• [A] FR 2325327 A1 19770422 - AJINOMOTO KK [JP]  
• [XD] JOURNAL OF ECONOMIC ENTOMOLOGY, vol. 47, 1954, pages 153-160, Entomological Society of America, College Park, Maryland, US; P.L. GOW: "Proteinaceous bait for the oriental fruit fly"  
• [Y] OECOLOGIA, vol. 60, 1983, pages 279-284, Springer International Berlin, DE; R.A. DREW et al.: "Bacteria as a natural source of food for adult fruit flies (Diptera: tephritidae)"  
• [A] JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol. 31, July/August 1983, pages 689-692, American Chemical Society, Washington, D.C., US; R.G. BUTTERY et al.: "Insect attractants: volatiles of hydrolyzed protein insect baits"  
• See references of WO 8501638A1

Cited by  
CN111449088A

Designated contracting state (EPC)  
AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)  
**WO 8501638 A1 19850425**; EP 0162055 A1 19851127; EP 0162055 A4 19880608

DOCDB simple family (application)  
**AU 8400204 W 19841017**; EP 84903799 A 19841017