

**(19) AUSTRALIAN PATENT OFFICE**

(54) Title  
**Amylases, nucleic acids encoding them and methods for making and using them**

(51)<sup>6</sup> International Patent Classification(s)  
**C12Q 001/68**

(21) Application No: **2004229313** (22) Application Date: **2004 .03 .08**

(87) WIPO No: **WO04/091544**

(30) Priority Data

(31) Number	(32) Date	(33) Country
<b>60/459,014</b>	<b>2003 .03 .28</b>	<b>US</b>
<b>10/385,305</b>	<b>2003 .03 .06</b>	<b>US</b>
		<b>7</b>

(43) Publication Date : **2004 .10 .28**

(71) Applicant(s)  
**Diversa Corporation**

(72) Inventor(s)  
**Frey, Gerhard; Miller, Carl; Barton, Nelson; Gray, Kevin; Callen, Walter; Richardson, Toby; O'Donoghue, Eileen; Slupska, Matgorzata; Kerovuo, Janne S.**

(74) Agent/Attorney  
**Freehills Patent & Trade Mark Attorneys, Level 43 101 Collins Street, Melbourne, VIC, 3000**